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**SENSORY  
EXPLORATIONS**

**AMBIANCES IN A CHANGING WORLD**



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## EDITORIAL

Welcome to the 5th International Congress on Ambiances

### **Sensory Explorations, Ambiances in a Changing World**

In 2024, the 5th International Congress on Ambiances is held from October 8 to 11 in two universities located in two different countries and on two distinct continents: in Lisbon, Portugal, with Lusófona University, and in Rio de Janeiro, Brazil, with the Federal University of Rio de Janeiro (Universidade Federal do Rio de Janeiro).

This conference brings together scientific contributions from academics, practitioners, artists, doctoral students and researchers working on architectural and urban ambiances, drawing on multidisciplinary expertise from fields as diverse as anthropology, architecture, landscape, computer science, cultural studies, design, engineering, geography, musicology, psychology, sociology, urban studies, etc. Together they demonstrate the variety of themes and issues in this field of study, presenting the latest research, projects, and methodological approaches.

By focusing on the sensitive quality of spaces, Ambiances create layers of meaning on a conductive scale that eases the apprehension of everyday life, where the cultural and affective dimensions are translatable by the situated bodily experience, on a macroscopic scale, which intersects diverse cultures, rhythms and knowledge.

The study of Urban Ambiances has shown that the practical, experimental and relational nature of human-urban coexistence is one of the possible ways to overcome the dichotomies and fragilities posed by current dilemmas, such as the difficulty of urban mobility in various metropolises, social asymmetries, territorial conflicts at local level or the lack of public spaces enabling the satisfactory development of everyday life. At the same time, research into ambiances opens different possibilities for rethinking the way we occupy the world, because ambiances are agents that enable associative forms of sharing public spaces: they intensify social relations and make convivial relations less discordant.

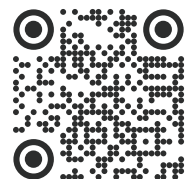
After the Congresses in Grenoble (Creating an Atmosphere, 2008), Montreal (Ambiances in Action, 2012), Volos (Ambiances, Tomorrow: The Future of Ambiances, 2016), and the online 4th edition (Ambiances, Alloaesthesia: Senses, Inventions, Worlds, 2020), this 5th edition explores the sensory aspects of ambiances in a changing world.

In its fifth quadrennial congress, the objective is to outline the state of new conceptual, methodological, and practical issues in relation to architectural and urban ambiances. The focus will be open to the contemporary themes of our scientific community, but it also wishes to welcome and work on new sensory exploration in a world in constant transformation.

The aim is to examine how contemporary environmental, social, technological, political, and ethical changes can interact with sensitive worlds, their environments, bodies, senses, and the ways in which people experience them. The Congress on Ambiances aims to foster a "barn of discussions" on experiences, based on themes that highlight sensitivity and the cultural landscape, urban and micro-urban politics, local arts and interventions, the body and the senses, design strategies, adaptation processes, among others.

Mohammed Boubezari  
Cristiane Rose Duarte  
Ethel Pinheiro

Go to Website



## ORGANISATION

The congress is organised by Lusófona University in Lisbon, The Federal University of Rio de Janeiro (Universidade Federal do Rio de Janeiro) in Rio de Janeiro with the help of the International Ambiances Network, Scientific and Thematic Network of the French Ministry of Culture.

This initiative is funded by:

- Grenoble School of Higher Studies in Architecture,
- AAU "Ambiances, Architectures, Urbanités", Joint research unit between CNRS (French National Centre for Scientific Research), Grenoble School of Architecture, Nantes School of Architecture, Centrale Nantes,
- Université Grenoble Alpes,
- Conselho Nacional de Desenvolvimento Científico e Tecnológico, Brazil,
- Architecture, Subjectivity and Culture Lab.
- Proarq | Programa de pós-graduação em Arquitetura / UFRJ
- ECATI, Escola de Comunicação, Arquitetura, Artes e Tecnologias da Informação, Lisboa, Portugal
- DAU - TerrA.ID, Unidade de Investigação e Desenvolvimento (I&D) do Departamento de Arquitetura e Urbanismo, Lisboa.
- SPARC - Sensory Places in Architecture.

Partners:

- CY Cergy Paris University,
- University of Thessaly,
- Nantes School of Higher Studies in Architecture,
- French Ministry of Culture, bureau de l'enseignement et de la recherche en architecture
- Centre national de la recherche scientifique (CNRS), France,
- Audencia, Ecole Centrale de Nantes, France,

## COMMITTEES

**Lisbon Chair** | Mohammed Boubezari

**Rio de Janeiro Chairs** | Cristiane Rose Duarte and Ethel Pinheiro

### **Steering Committee**

Mohammed Boubezari, Cristiane Rose Duarte, Damien Masson, Ethel Pinheiro and Nicolas Remy.

### **Organising Committees**

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#### RIO DE JANEIRO

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Gleice Azambuja ELALI, Universidade Federal do Rio Grande do Norte, Brazil  
Auxiliadora GALVEZ PEREZ, San Pablo C.E.U EPS Faculty of Architecture, Spain

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 Laurent LESCOP, Laboratoire AAU, Crenau, France  
 Philippe LIVENEAU, Laboratoire AAU, CRESSON, France  
 Théa MANOLA, Laboratoire AAU, CRESSON, France  
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 Nicolas REMY, Université de Thessalie, Greece  
 Luís Cláudio RIBEIRO, Universidade Lusófona, Lisbon, Portugal  
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 Luiz de Jesus Dias da SILVA, Universidade Federal do Pará, Brazil  
 Paul SIMPSON, University of Plymouth, UK  
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 Aleksandar STANIČIĆ, TU Delft, Holland  
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 Nicolas TIXIER, Laboratoire AAU, CRESSON, France  
 Carolina VASILIKOU, University of Reading, UK  
 Maísa VELOSO, Universidade Federal do Rio Grande do Norte, Brazil  
 Martin WELTON, Queen Mary University of London, UK  
 Izabella WIECZOREK, University of Reading, UK

## Chair Sessions

Amal Abu Daya, Toumadher Ammar, Pascal Amphoux, Alejandro Rodríguez Antolín, Paul Bai, Anna Barbara, Isabel Barbas, Lucia Bordone, Mohammed Boubezari, Laure Brayer, Marc Breviglieri, José Luis Carles, Marcel Cobussen, Laurent Devisme, Noha Gamal Said, Mathilde Girault, Misaki Goto, Rainer Kazig, Dorit Kluge, Stavros Kousoulas, Hsuan L. Hsu., Jordan Lacey, Victoria Linn Lygum, Philippe Liveneau, Théa Manola, Théo Marchal, Damien Masson, Laurent Matthey, Marlucci Menezes, Maria Rita Pais, Cristina Palmese, Nicole Peccoud, Olfa R. Meziou, Andrej Radman, Catherine Schneider, Carlos Smaniotto Costa, Aleksandar Staničić, Shanti Sumartojo, Rennie Tang, Rachel Thomas, Nicolas Tixier, Silvère Tribout and Jieliang Xiao.



# LISBON CONGRES GENERAL INFORMATION

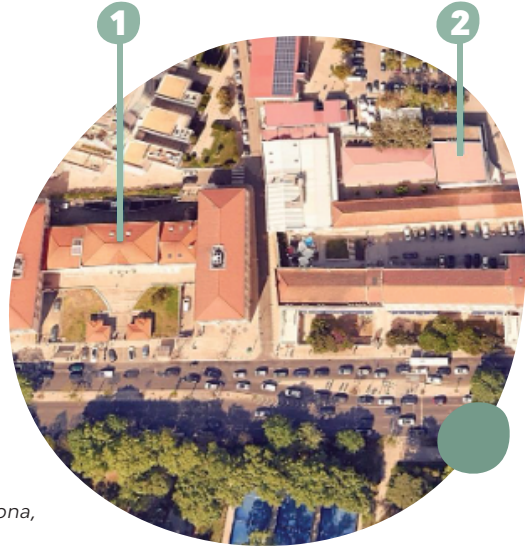
## WHERE IS THE CONGRESS BEING HELD?

1

Auditório Agostinho da Silva  
**Universidade Lusófona**  
Campo Grande 376, 1749-024 Lisboa

2

Fundação Cidade de Lisboa  
Campo Grande 380, 1700-097 Lisboa



## GENERAL PROGRAM

### Tuesday, 8th October

*Auditório Agostinho da Silva, Universidade Lusófona,  
Campo Grande, Metro: Campo Grande*

09h00-12h15 Registrations

12h15-14h00 Welcome Lunch at CANTINA Restaurante in Lusofona.

14h00-14h30 Opening Ceremony

14h00-15h30 Keynote – Tonino Griffiero

15h30-16h00 Debate

17h45-20h00 Meeting at Cais do Sodre for a Sightseeing Cruise

### Wednesday, 9th October

*Auditório Agostinho da Silva, Universidade Lusófona, Campo Grande, Metro:  
Campo Grande and Fundação da Cidade*

09h00-10h30 PARALLEL SESSIONS

10h30-11h00 Coffee-break

11h00-12h15 PARALLEL SESSIONS

12h15-14h00 Lunch time

*Auditório Agostinho da Silva, Universidade Lusófona, Campo Grande, Metro: Campo Grande*

14h00-15h00 Keynote –Rita Velloso, Streaming from Rio de Janeiro

15h00-15h30 Debate

15h30-16h00 Coffee-break

*Auditório Agostinho da Silva, Universidade Lusófona, Campo Grande, Metro:  
Campo Grande and Fundação da Cidade*

16h00-17h45 PARALLEL SESSIONS and WORKSHOP

## Thursday, 10th October

*Auditório Agostinho da Silva, Universidade Lusófona, Campo Grande, Metro:  
Campo Grande and Fundação da Cidade*

09h00-10h30 PARALLEL SESSIONS  
10h30-11h00 Coffee-break  
11h00-12h15 PARALLEL SESSIONS

12h15-14h00 Lunch time

*Auditório Agostinho da Silva, Universidade Lusófona, Campo Grande, Metro: Campo Grande*

14h00-15h00 Keynote –Sabine Knierbein  
15h00-15h30 Debate  
15h30-16h00 Coffee-break

*Auditório Agostinho da Silva, Universidade Lusófona, Campo Grande, Metro:  
Campo Grande and Fundação da Cidade*

09h00-10h30 PARALLEL SESSIONS  
10h30-11h00 Coffee-break  
11h00-12h15 PARALLEL SESSIONS

12h15-14h00 Lunch time

*Auditório Agostinho da Silva, Universidade Lusófona, Campo Grande, Metro: Campo Grande*

14h00-15h00 Keynote –Francesco Carreri, Streaming from Rio de Janeiro  
15h00-15h30 Debate  
15h30-16h00 CLOSING CEREMONY (part 1), Streaming with Rio de Janeiro

16h00-16h30 Coffee-break  
16h30-18h00 CLOSING CEREMONY (part 2) – WORKSHOPS Presentations

20h00–Farewell Dinner  
Restaurant Churrasqueira Chimarrão, Campo Grande, 500m distance from Lusófona

## DISTINGUISHED KEYNOTE LECTURES

**Lisbon, October 8, 2024**

Live broadcast in the congress amphitheater in Rio de Janeiro.

### **How Do You Feel Here and Now? Atmospheres and Pathic Aesthetics**



#### **TONINO GRIFFERO**

Tonino Griffiero is full professor of Aesthetics (Tor Vergata University of Rome) and editor of book series such as "Sensibilia" (Milan), "Atmospheric Spaces" (Milan) and the e-journal "Lebenswelt".

Recent Books: Atmospheres. Aesthetics of Emotional Spaces, London-New York 2014; Quasi-Things. The Paradigm of Atmospheres, Albany 2017; Places, Affordances, Atmospheres. A Pathic Aesthetics, London-New York 2019; The Atmospheric "We". Moods and Collective Feelings, Milan 2021; & Michael Arbib, Atmosphere(s) for Architects, Manhattan (Kansas) 2023; Being a Lived Body. From a Neo-Phenomenological Point of View, London-New York 2024.

As co-editor: & G. Moretti, Atmosphere/Atmospheres. Testing a New Paradigm, Milan 2018; & G. Francesetti, Psychopathology and Atmospheres. Neither Inside nor Outside, Newcastle upon Tyne 2019; & M. Tedeschini, Atmospheres and Aesthetics. A Plural Perspective, Basingstoke 2019.

**Rio de Janeiro, October 9, 2024**

Live broadcast in the congress amphitheater in Lisbon.

### **Delicate Empiricism, still focusing on modulations of urban experience**



#### **RITA VELLOSO**

Arquiteta com mestrado em Filosofia pela Universidade Federal de Minas Gerais e doutorado em Filosofia pela Universidade Federal de Minas Gerais, tendo efetuado estágio doutoral na McGill University, Montreal, CA. É professora da Escola de Arquitetura da UFMG, onde atua no Programa de Pós-graduação em Arquitetura e Urbanismo, coordena grupos de pesquisa e orienta trabalhos de pós-graduação. É pesquisadora do CNPq. Dedicar-se à pesquisa nas áreas de Arquitetura e Urbanismo, com ênfase em Teoria da Arquitetura, História e Teoria da Cidade, e na relação entre arquitetura e filosofia, tanto estética como política, em especial naquela construída por Walter Benjamin, Guy Debord e Henri Lefebvre, no campo filosófico e por Manfredo Tafuri, no campo arquitetural. Autora do livro Urbano-Constelação.

**Lisbon, October 10, 2024**

Live broadcast in the congress amphitheater in Rio de Janeiro.

**Cities between Care and Crises: Why Embodied and Affective Encounters Matter for Reenacting Democracy Through Professional Practice**



**SABINE KNIERBEIN**

Sabine Knierbein, European Urban Studies (PhD) and Internationale Urbanistik (PD), is Professor at the Interdisciplinary Centre for Urban Culture and Public Space, Faculty of Architecture and Planning, TU Wien, Austria. She also holds a journeywomen's certificate for landscape gardening. In urban studies, Sabine explores everyday life and urbanization; the political and democracy; disruptive precarity, innovation and crises; and intersectional urban research methodology. She is co-editor of Public Space and the Challenges of Urban Transformation in Europe (2014); Public Space and Relational Perspectives: New Challenges for Architecture and Planning (2015); City Unsilenced: Urban Resistance and Public Space in the Age of Shrinking Democracy (2017), Public Space Unbound: Urban Emancipation and the Post-Political Condition (2018), Care and the City: Encounters with Urban Studies (2022) and Unsettled Urban Space: Routines, Temporalities and Contestations (2023), all with Routledge. Her monograph "Everyday Life and Urban Studies. Moving With Lefebvre Towards the 21st Century" is currently in preparation (forthcoming 2026, Routledge). In spring 2020, Knierbein was appointed Visiting Professor for Urban Political Geography at the Social Geography Lab (LAGeS, [www.lages.eu](http://www.lages.eu)) at the Department of History, Archeology, Geography, Arts and Performance (SAGAS) of the University of Florence in Italy, where she has been affiliated as a guest researcher in 2021. In 2022, she was a Visiting Fellow at the Centre of Urban Design at Hafen City University Hamburg in Germany while in 2023 she was an Erasmus Guest Researcher at Leuphana University in Lüneburg in Germany. Based on her habilitation treatise entitled "Critique of Everyday Life in the 21st Century. Lived Space and Capitalist Urbanization", Sabine obtained her venia in "Urban Studies / Internationale Urbanistik" at the Technische Universität Wien in Austria.

**Rio de Janeiro, October 11, 2024**

Live broadcast in the congress amphitheater in Lisbon.

**Apprehensive walking**



**FRANCESCO CARERI**

Francesco Careri co-founded in 1995 the practice of Stalker, experiencing actions, research and exhibitions. Since 2005 he is Associate Professor of Urban and Architectural Design in Roma Tre University where he is co-director of the Master Environmental Humanities, and where he runs the Civic Arts course, a peripatetic laboratory grounded in walking explorations of emerging phenomena. His main publications are : Constant's New Babylon, una Città Nomade, Testo & Immagine 2001; Walkscapes. Walking as an Aesthetic Practice, Editorial Gustavo Gili 2002; Pasear, detenerse, Gustavo Gili 2016; Stalker/Campus Rom, Altrimedia 2017 with Lorenzo Romito; Nomadismo Architettura Ospitalità, Bordeaux Edizioni, Roma 2020; C.I.R.C.O. Un immaginario di città ospitale, Bordeaux Edizioni, Roma 2021, with Laboratorio CIRCO, Hospedar-se, Puente, Barcelona 2023.

## WORKSHOPS

### SENSORY SKETCHBOOKS

This workshop will consist of two sketchbooks placed in a location in the Mario Soares Garden near the conference. Both sketchbooks will invite conference participants to reflect on the ambiance and feeling of the space by inviting them to "CLOSE YOUR EYES" and "FEEL THIS SPACE". One sketchbook will then invite participants to translate and explore that feeling with a single line drawing with the prompt "DRAW A LINE". The second sketchbook will invite participants to "WRITE A WORD".

The sketchbooks allow participants a moment to feel these spaces and challenge them to explore this feeling through two of humanity's primary tools of communication: drawing and language. The result will be two documents: one a communal drawing of the ambiance of a public space and the other a communal poem of the ambiance of a public space.

Through these documents we will see what feelings these spaces evoke and how different people translate these feelings to drawing and language..

#### COORDINATOR

**Adam Molinski**, PLA, ASLA  
Boston Architectural College, School of Landscape Architecture  
Adam.molinski@the-bac.edu

Spoken Language(s): English

### CARTOGRAPHY OF A SMELL WALK IN LISBON: DISCOVER THE INVISIBLE WORLD OF SMELLS

The workshop delves into the world of smell and its spatial representation in public spaces. The aim is to investigate how smell sensations and their spatial distribution can provide new insights into urban environments and public spaces. Smell maps are often limited to two dimensions, the aim here is to collectively explore the possibilities of section representations of public places smell perception.

We will begin with an interactive session designed to awaken/discover the sense of smell. Participants will engage in various sensory exercises to experience and learn some smell specificities. After this awakening time, we will go close to the congress location on a smell "tour". Participants will capture the unique olfactory character of Lisbon's public spaces through both drawing and discussion. This sensory exploration aims to illustrate how smells reflect the uses, locations, and activities of different urban areas. Back on the congress site, findings and drawings will be shared, and a discussion on the challenges and opportunities of representing smells on a map will be engaged.

#### COORDINATORS

**Suzel Balez**, Professor, Univ. Grenoble Alpes, CNRS, ENSAG, AAU-CRESSON,  
38000 Grenoble, France <balez.s@grenoble.archi.fr>

**Laure Brayer**, Lecturer, Univ. Grenoble Alpes, CNRS, ENSAG, AAU-CRESSON,  
38000 Grenoble, France

Spoken Language(s) : English and French

## **GRIEF, LOSS AND DAMAGE: MAPPING, GESTURING, AMBIANCING OUR TISSUE OF LOSS**

With this workshop we intend to collectively work weaving our intimate and collective, material and immaterial, local and global griefs, losses and damages, in which we participate and belong, where loss goes beyond the idea of the loss of a loved one: the loss of a gesture (ritual), a contact, a sensitivity, a way of being and doing, a landscape, a species... Participants are invited to bring a series of printed images related to the theme of this workshop. These will contribute to the creation of a 3D map that will allow us to visualise and analyse our responses.

### **COORDINATORS**

**Eléonore Bak**, PHD in architecture, CRESSON lab ENSA Grenoble France  
<eleonore.bak@orange.fr>

**Pascaline Thiollière**, PHD in architecture, CRESSON lab ENSA Grenoble France  
<pascaline.thiolliere@gmail.com>

Spoken Language(s): English, French, German

## **THE IDENTITY OF PLACES: AN IMMERSIVE SOUND-MAPPING EXPERIENCE**

The workshop aims to carry out an immersive sound mapping experience using geolocation techniques taking the body as a sensor. A suitable urban space will be sought in the city of Lisbon. This proposal comes from an interdisciplinary group working on sensory interactions in urban spaces with different approaches and methods.

Experts, artists, and anyone interested are invited to participate and contribute to this collective experience.

We aim to explore the connections between body and place based on a generous listening approach: listening to our body, the collective body, and the sound environment in an open process of exploration/experimentation. A hybrid methodology and collection of tools will be employed: informal encounters with citizens, interviews, storytelling, sound-walks, digital mapping, and recording data collections.

We will experiment with collective forms of understanding our everyday sound environments. Exercises will be carried out to collect metrics and sensory data, which can take different formats: sounds, images, videos, storytelling, drawings, scores, etc. Through conscious immersion in a specific place, we will reflect on listening, the body as a sensor, the sensory map, the digital and the real, shared knowledge: the collective body.

Furthermore, we will explore LLcloud (<https://llcloud.eu/>) a multi-sensor platform for multimedia data gathering, visualisation and analysis. It helps organisation and companies conduct live multi-sensor data gathering and organise Living Lab trials with real users. It offers automated data uploaders from smartphone sensors (via the Phypox and Strava apps), smartwatches, geo-tagged photos (via the photoSpot app fully integrated with the platform), GoPro cameras, drones, satellite images, etc. LLcloud provides advanced data analysis and smart visualisation in the cloud to create advanced map-based presentations. For this workshop LLcloud will be used to gather geo-located multimedia placemaking content (images, videos, soundscapes) from the city of Lisbon.

The workshop will take place with an on-site session and a classroom session

COORDINATORS

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Spoken Language : English

**"CREA'SCENES": SERIOUS GAME TO INVENT NEW EMPIRICAL APPROACHES IN FRAGILE SITUATIONS AND RESEARCH SCENES**

Through this workshop, we will encourage doctoral architects to push their boundaries and imagine themselves in different fragile and/or vulnerable situations that could constitute research terrains. This immersion simulation will allow participants to test methods, experience limitations and difficulties, and ultimately rethink the new roles and tools of the architect-researcher.

The use of this format is justified by the current stance of the researcher who is confronted and challenged by these new territorialities and temporalities. Similar to the health crisis which has only accelerated certain processes and further complicated in-situ, as well as in-vivo, immersion of the architect-researcher. New practices and methodologies are necessary, translation limits are becoming apparent, and the architect-researcher is pushed to change perspectives, hybridize investigation methods, or acquire new protocols.

The workshop is an invitation to imagine oneself in unique scenes that would allow for a better understanding of vulnerabilities according to the specific components of the scenario in question: site, population(s), researcher's posture, methodology, and temporality(s); as well as an experimentation of immersive tools and methods, all in a playful and participatory approach.

COORDINATOR

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Spoken Language(s) : English and French

## **CARTAS FALADAS**

The workshop aims to explore a possible method for the sensitive documentary production of the urban environment, taking as a starting point the immaterial construction through the words that characterize and name the spaces. The production of an audio-described letter seeks to expand the right to the city through the sharing and (de)characterization of spaces by the sensitive elements that are part of the landscape. The focus is on subjectivity in order to create narratives that put spaces and their symbols into perspective, allowing us to discover and recognize spaces and their history, with the possibility of extrapolating canonical narratives and exploring lived space. The goal of the letters is to establish a platform that enriches the way we look at the city from multidisciplinary perspective, generating inclusive content through access and knowledge.

COORDINATOR

**Rafael Manhães,**

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# WHAT'S BEING DEBATED?

**THEMATIC SESSIONS**



# L00

## SENSORY EXPLORATIONS, AMBIANCES IN A CHANGING WORLD

Session L00 brings together a series of diverse and non-thematized presentations, offering participants the opportunity to explore ongoing work, interdisciplinary reflections, and innovative projects from various fields. Unlike the other sessions, which focus on specific themes, this session is characterized by its openness to a wide variety of subjects and approaches.

The open presentations highlight emerging ideas and new perspectives, fostering dialogue and exchange among participants. This diversity is essential for encouraging cross-disciplinary discussions and nurturing potential collaborations between different fields.

In this session, the aim is to provide an open platform for the dissemination and sharing of ideas, creating a space conducive to the exploration of new or developing concepts. It is intended for researchers, practitioners, and creators who wish to present contributions that do not necessarily fit within the thematic frameworks of the other sessions.

## MULTI-DISCIPLINARY CONTRIBUTIONS TO ATMOSPHERE/ AMBIANCE

## CONTRIBUTOS MULTIDISCIPLINARES PARA ATMOSFERA/ AMBIENTE

### SERKAN CAN HATIPOĞLU

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### ABSTRACT

This study examines the complex domain of atmosphere/ambiance, emphasizing its development and importance in many academic fields from 2000 to 2023. By examining significant contributions, it highlights the term "atmosphere" as primarily employed in literature. Analysis of citation patterns reveals a substantial surge in scholarly attention after 2020, primarily driven by English-speaking academic circles. The multidisciplinary aspect of atmospheric studies is apparent, since geography, urban design, philosophy, and cultural studies have made significant contributions. The incorporation of novel methodologies from many fields enhances the body of architectural literature, strengthening both theoretical frameworks and practical implementations in the realms of design and urban planning. This thorough examination highlights the increasing influence of atmospheric studies on environmental policy, urban growth, and the preservation of cultural landscapes. The research highlights the importance of ongoing interdisciplinary involvement to enhance our comprehension of the intricate relationship between the environment, space, and human experience.

**KEYWORDS:** Atmosphere. Ambiance. Aura. Multi-disciplinary Perspectives.

### RESUMO

Este estudo examina o complexo domínio da atmosfera/ambiente, enfatizando o seu desenvolvimento e importância em muitos campos acadêmicos de 2000 a 2023. A análise dos padrões de citação revela um aumento substancial da atenção acadêmica após 2020, impulsionado principalmente pelos círculos acadêmicos de língua inglesa. A vertente multidisciplinar dos estudos atmosféricos é evidente, uma vez que a geografia, o desenho urbano, a filosofia e os estudos culturais deram contributos significativos. A incorporação de novas metodologias de vários campos melhora o corpo da literatura arquitetônica, fortalecendo tanto os quadros teóricos como as implementações práticas nas áreas do design e do planeamento urbano. Este exame minucioso realça a crescente influência dos estudos atmosféricos na política ambiental, no crescimento urbano e na preservação das paisagens culturais. A investigação destaca a importância do envolvimento interdisciplinar contínuo para melhorar a nossa compreensão da intrincada relação entre o ambiente, o espaço e a experiência humana.

**PALAVRAS-CHAVE:** Atmosfera. Ambiente. Aura. Perspectivas Multidisciplinares.

## MULTIMODAL AMBIANCES OF TOURISM IN LISBON: EXPLORING LOCALS' GAZES

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### ABSTRACT

This presentation is based on the results of the Collaborative Engagement in Societal Issues (WP6/COE-SO) project and presents an experimental and multimodal ethnography that explores the relationship between citizens and mass tourism in the neighborhood of Sao José in Lisbon. Concretely, I will show-case the transmedia website that depicts the sensitive experiences of tourism in this neighborhood (<https://saojose.huma-num.fr/>).

The website features various experiences highlighting the relationship of locals to mass tourism in the neighborhood. Through this experimental website, visitors can explore different ambiances that reveal the complex and often hidden power dynamics associated with tourism. This anthropological study of ordinary experiences adopts a participatory and multimodal approach (i.e. Leon-Quijano 2024) by employing photographs, videos, texts, sounds, participatory mapping, and archives. This presentation aims to contribute to the discussion surrounding the use of images, sounds, and digital techniques in the development of theoretical reflections on atmospheres and multimodality.

### RESUMO

Esta apresentação baseia-se nos resultados do projeto Collaborative Engagement in Societal Issues (WP6/COESO) e apresenta uma etnografia experimental e multimodal que explora a relação entre os cidadãos e o turismo de massa no bairro de São José, em Lisboa. Concretamente, irei apresentar o site transmídia que retrata as experiências sensíveis do turismo neste bairro (<https://saojose.huma-num.fr/>). O site apresenta várias experiências que destacam a relação dos moradores com o turismo de massa no bairro. Através deste site experimental, os visitantes podem explorar diferentes ambiências que revelam as dinâmicas de poder complexas e muitas vezes ocultas associadas ao turismo. Este estudo antropológico das experiências quotidianas adota uma abordagem participativa e multimodal (i.e. Leon-Quijano 2024) utilizando fotografias, vídeos, textos, sons, mapeamento participativo e arquivos. Esta apresentação tem como objetivo contribuir para a discussão sobre a utilização de imagens, sons e técnicas digitais no desenvolvimento de reflexões teóricas sobre atmosferas e multimodalidade.

## THE USE OF BIM METHODOLOGY TO OPTIMISE THE LICENSING PROCESS FOR ARCHITECTURAL PROJECTS

### O USO DA METODOLOGIA BIM PARA A OTIMIZAÇÃO DO PROCESSO DE LICENCIAMENTO DE PROJETOS DE ARQUITETURA

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#### ABSTRACT

The aim of this article is to analyse how the use of the BIM (Building Information Modelling) methodology can optimise and improve the analysis of projects and urban licensing processes. The article initially addresses the contextualisation of the Architecture, Engineering and Construction industry and how BIM has developed based on the needs that have arisen over the years. It then looks at the state of the art in BIM methodology and presents an overview of the subject, based on relevant concepts and definitions. The following sections address the progressive adoption of BIM by the Brazilian Public Administration and how it can be exploited in urban licensing procedures. Finally, it presents the concept of Automated Code Checking and its application in the licensing processes for architecture projects, demonstrating how automation improves project analysis, guaranteeing accuracy and consistency, as well as speeding up the issuing of licences in accordance with legislation.

**KEYWORDS:** BIM. Project Licensing. Code Checking.

#### RESUMO

O presente artigo tem como objetivo analisar como o uso do BIM (Building Information Modeling) pode otimizar a análise de projetos e processos de licenciamento urbanístico. O artigo se inicia com a contextualização da indústria da Arquitetura, Engenharia e como o BIM se desenvolveu nesse cenário. Em seguida, procura abordar o estado da arte sobre a metodologia BIM e apresentar uma visão geral do tema, a partir de conceitos e definições. As seções seguintes abordam a progressiva adoção do BIM pela Administração Pública brasileira e como ele pode vir a ser explorado nos procedimentos de licenciamento urbano. Por fim, expõe o conceito de Verificação Automatizada de Regras (Code Checking) e a sua aplicação nos processos de licenciamento dos empreendimentos, demonstrando como a automação agiliza e aprimora a análise de projetos, garantindo precisão e consistência nas avaliações, bem como acelerando a emissão de licenças em conformidade com a legislação.

**PALAVRAS-CHAVE:** BIM. Licenciamento de Projetos. Validação Automatizada de Regras.

## THE PORT AND THE CITY, INHERITANCE, PERMANENCE AND RUPTURES: A CASE STUDY OF RIO DE JANEIRO

## O PORTO E A CIDADE, HERANÇAS, PERMANÊNCIAS E RUPTURAS: UM ESTUDO DO CASO DO RIO DE JANEIRO

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### ABSTRACT

This article deals with the cumulative temporal aggregation in the urban space of the port area and around it, in the city of Rio de Janeiro, when and where legacies were accepted or condemned, and the ruptures they caused. Discuss the relationships between pre-existences and expanded urban projects, at different times, which included multiple scales of intervention, in different dimensions. In this work, the city is seen as a place of intersection of distinct social, economic, cultural, historical and political processes, and reveals intertwinings with attributes embedded in its morphology and landscape. A case study carried out illustrates a proposed approach. The analysis exercise took into account the beginning of the implementation of a large urban project for the city's port region. The study developed included us reflecting on the transformation processes occurring in different public spaces, and in particular, on the relationships between impacts, attributes, singularities and identities.

**KEYWORDS:** appropriations. urban morphology. project. scales. pre-existences.

### RESUMO

Este artigo trata da agregação temporal cumulativa no espaço urbano da área do porto e à volta, na cidade do Rio de Janeiro, quando e onde heranças foram acolhidas ou condenadas, e as rupturas que causaram. Discute as relações entre pré-existências e os projetos urbanos adicionados, em tempos distintos, que apresentaram múltiplas escalas de intervenção, em diferentes dimensões. Neste trabalho, a cidade é vista enquanto lugar de interseção de processos sociais, econômicos, culturais, históricos e políticos distintos, e revela entrelaçamentos com atributos impregnados na sua morfologia e na sua paisagem. Um estudo de caso realizado ilustra a abordagem proposta. O exercício de análise levou em consideração o início da implantação de um grande projeto urbano para a região portuária da cidade. O estudo desenvolvido nos permitiu refletir sobre os processos de transformação ocorridos em distintos espaços públicos, e de modo especial, sobre as relações entre impactos, atributos, singularidades e identidades.

**PALAVRAS-CHAVE:** apropriações. morfologia urbana. projeto. escalas. pré-existências.

## EMPHASIZING DIVERSITY FOR ENHANCING URBAN WALKABILITY COMPREHENSION: INTEGRATING LAND USE DIVERSITY AND POI DIVERSITY

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### **ABSTRACT**

The relationship between land use diversity and urban walkability has gained consensus in the industry. With the rise of location-based services, leveraging Point of Interest (POI) data for urban functional zoning has gained prominence in urban planning. Research in this field, However, which considering POI diversity as equally important as land use diversity, and exploring urban walkability through the integration of pedestrian-friendly streets and neighborhoods, remains relatively constrained. In response, taking the metropolitan area of Nantes, France, as an example. Our study aims to identify walkability zones focusing primarily on objectively measured environmental variables. The process involves initial screening of variables, followed by grouping, selection, prioritization, and statistical modeling. Through this approach, we will obtain a concise diversity assessment model closely related to walking, categorizing it into POI types and POI counts in land cell, as well as land use diversity in cell-level and in 3\*3 cell neighborhood respectively. Through practical testing, we have concluded: Distance measures to routine daily destinations, assessed through Points of Interest (POIs), emerge as simple and effective alternatives to the intricate composite measures often employed to capture land use diversity and walkability. Land use diversity, characterized by physical and functional integration, fosters connections among pedestrians. The advantages of mixed-use development over single-use ones are multifaceted. They contribute to improved economic efficiency, enhanced neighborhood livability, reduced traffic congestion, expanded affordable housing options, and increased access to goods and services. Diversity serves as a practical target for policies and interventions aimed at fostering walkable communities. By integrating this crucial dimension, our study contributes to a more comprehensive understanding of urban walkability and underscores its multifaceted nature.

**KEYWORDS:** Urban Walkability, Land use diversity, POI diversity, Nantes.



## FOR A COLLABORATION OF INTERVALS

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### ABSTRACT

The problem of ambiance --both as a device (Ge-stell) and a disposition (Stimmung)-- is its crystallisation of many fields of study, as it refers to all types of "spatial design" from the revolution of the printing press, to the usage of space, to "all that, between the project and the result, can happen without direct interference by an agent, yet combines with the agent's efforts to assure success or impede it", to the "collaboration of intervals" (Dupréel, 1948). The blooming fields of ambiance are an epiphenomenon in a general explosion « design » (dessein/dessin) fields, which can be dated to the appearance of SMLXL (1996). The conjunction (more than disjunction) between an architect and an agency (Rem Koolhaas/OMA), a graphic designer (Bruce Mau) and an editor (Monicelli) has multiplied the power of each field to the extent that their spatial design has created a collective « paper openfield ». This conjunction shakes the foundation of the parricide at the heart of western culture (Chronos, Plato), as it had been interpreted by Victor Hugo: this (book) will kill that (architecture, specifically gothic architecture, the repository and embodiment of the art of memory). This formula is more or less emblematic of a number of cultural debates in our period of ongoing globalisation: this (the internet) -with all the devices that are developed by the instrument of instruments-- will kill that (book culture). Countering the obvious trend towards the digital, the explosion of design books shows that these fields (mutually) augment their performance when they focus on an "object" such as spatial design. Why is this? Because they conjugate the modes of presentation and representation of the world in visu, in situ and in actu. The question then becomes that of decrypting the mechanisms at work in the eternal rotation of presentation and representation for its own sake.

## EMBODIED VIBRATIONS: EXPLORING INTERACTIVE AUDIO SYSTEMS IN THE ALIENATING REALM

## VIBRAÇÕES INCORPORADAS: EXPLORANDO SISTEMAS DE ÁUDIO INTERATIVOS NO REINO ALIENANTE

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### ABSTRACT

Digital integration deeply influences our consciousness and alters human experience, transforming needs into commodities within digital data flux, akin to Umberto Eco's hyperreality exemplified by Disney World. Hyperreality merges virtual and actual realities with human and artificial intelligence, becoming central to modern life. McLuhan's "electronic man" navigates a fragmented visual environment, where auditory information regains its primordial essence, enabling comprehensive knowledge. Sound, creatively employed, communicates complex conditions and disrupts political uniformity, addressing themes like cyberspace's sensory oversaturation. Sound also triggers memory and introspection, fostering imagination through DIY assistive technology. Embodiment as a creative tool allows reclaiming agency in a fragmented world, bridging divides, amplifying marginalised voices, and provoking a reflective stance. Our study focuses on sound in customised interactive systems while we explore socio-political issues, cultural heritage, and inclusivity. We analyse three works, "The Zone," "Vavo," and "Insight," highlighting their socio-political and cultural implications.

**KEYWORDS:** interactive audio systems. sound installation. inclusivity. embodiment. sound art.

### RESUMO

A integração digital influencia profundamente nossa consciência e altera a experiência humana, transformando necessidades em mercadorias dentro do fluxo de dados digitais, semelhante à hiper-realidade de Umberto Eco exemplificada pela Disney World. A hiper-realidade funde realidades virtuais e reais com inteligência humana e artificial, tornando-se central para a vida moderna. O "homem eletrônico" de McLuhan navega em um ambiente visual fragmentado, onde a informação auditiva recupera sua essência primordial, permitindo um conhecimento abrangente. O som, empregado criativamente, comunica condições complexas e perturba a uniformidade política, abordando temas como a super-saturação sensorial do ciberespaço. O som também desencadeia memória e introspecção, fomentando a imaginação através da tecnologia assistiva DIY. A incorporação como uma ferramenta criativa permite recuperar a agência em um mundo fragmentado, unindo divisões, amplificando vozes marginalizadas e provocando uma postura reflexiva. Nosso estudo se concentra no som em sistemas interativos personalizados enquanto exploramos questões sociopolíticas, patrimônio cultural e inclusão. Analisamos três obras, "The Zone", "Vavo" e "Insight", destacando suas implicações sociopolíticas e culturais.

**PALAVRAS-CHAVE:** sistemas de áudio interativos. instalação sonora. inclusão. incorporação. arte sonora.

## “DISNEYLANDISATION” AS A TECHNIQUE OF ALTERING THE STATE OF CONSCIENCE THROUGH SENSORIAL INFLUX

## “DISNEYLANDIZAÇÃO” COMO UMA TÉCNICA DE ALTERAÇÃO DO ESTADO DE CONSCIÊNCIA ATRAVÉS DO INFLUXO SENSORIAL

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### **ABSTRACT**

This study examines the phenomenon of “Disneylandisation”, which involves the creation of an alienating environment characterized by a ludic and juvenile ambiance, accompanied by overwhelming sensory stimuli. Roger Caillois posits that society is grounded in primordial games that precede cultural formations. Our contemporary “society of spectacle”, a concept introduced by Guy Debord, represents the apex of this tendency, heightened for commercial purposes. Through a focused analysis of Japanese endemic pachinko parlors, this study investigates the techniques of Disneylandisation, particularly emphasizing the promotion of infantilization through a simulated experience of “pure play”, and the pervasive exposure to sensationalistic auditory and visual stimuli. The primary aim is to elucidate the potential risk associated with this phenomenon, which may lead individuals into a state akin to a “social trance”.

**KEYWORDS:** Disneylandisation. Social trance. Society of spectacle. Simulacrum of Pure Play. Sensorial oversaturation. Pachinko.

### **RESUMO**

Este estudo examina o fenômeno da “Disneylandização”, que envolve a criação de um ambiente alienante caracterizado por uma atmosfera lúdica e juvenil, acompanhada de estímulos sensoriais avassaladores. Roger Caillois postula que a sociedade está enraizada em jogos primordiais que precedem as formações culturais. A nossa “sociedade do espetáculo” contemporânea, um conceito introduzido por Guy Debord, representa o ápice dessa tendência, intensificada para fins comerciais. Através de uma análise focada nos salões de pachinko endêmicos do Japão, este estudo investiga as técnicas de Disneylandização, enfatizando especialmente a promoção da infantilização através de uma experiência simulada de “jogo puro” e a exposição difundida a estímulos auditivos e visuais sensacionalistas. O objetivo principal é elucidar os potenciais riscos associados a esse fenômeno, que podem levar os indivíduos a um estado semelhante a um “transe social”.

**PALAVRAS chave:** Disneylandização. Transe social. Sociedade do espetáculo. Simulacro de Jogo Puro. Sobressaturação sensorial. Pachinko.

## THE NEURODIVERGENT BODY IN MOTION: MAPPING THE AUTISTIC SENSORY EXPERIENCE OF THE WALKABLE URBAN SPACE

## O CORPO NEURODIVERGENTE EM MOVIMENTO: MAPEANDO A EXPERIÊNCIA SENSORIAL AUTÍSTICA DO ESPAÇO URBANO CAMINHÁVEL

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### ABSTRACT

The act of walking and locomoting is a daily rhythm, undertaken by necessity to engage with work, education, and social activities. This paper presents a scoping review with a focus on the neurodivergent experiences of urban space whilst walking. Our review aims to explore how current research may be failing to explore the human elements of neurodiversity and how urban spaces are perceived through alternative rhythms. The lens used pertains to ways of sensing the urban space whilst moving through it and explore the gaps that are left through the lack of engagement with neurodivergent people. We propose that a neurodivergent corpography provides an opportunity to explore walkable urban spaces through an alternative sensory lens. We investigate how the heightened sensory perception of neurodivergent experiences might be used as a source of expert knowledge informing the development of alternative methods for pluralistic inclusive urban space.

**KEYWORDS:** neurodivergent body. walking. urban space. corpo-sensorial perception. inclusive design. built environment.

### RESUMO

O ato de caminhar e se locomover é um ritmo diário, realizado por necessidade para o envolvimento com o trabalho, a educação e as atividades sociais. Este artigo apresenta uma revisão de escopo com foco nas experiências neurodivergentes do espaço urbano durante a caminhada. A nossa revisão pretende explorar como a investigação atual pode estar a falhar na exploração dos elementos humanos da neurodiversidade e como os espaços urbanos são percebidos através de ritmos alternativos. A lente utilizada diz respeito às formas de sentir o espaço urbano enquanto se move através dele e explorar as lacunas que são deixadas pela falta de envolvimento com pessoas neurodivergentes. Propomos que uma corpografia neurodivergente oferece uma oportunidade para explorar espaços urbanos caminháveis através de lentes sensoriais alternativas. Investigamos como a percepção sensorial intensificada de experiências neurodivergentes pode ser usada como fonte de conhecimento especializado informando o desenvolvimento de métodos alternativos para um espaço urbano pluralista e inclusivo.

**PALAVRAS-CHAVE:** corpo neurodivergente. caminhada. espaço urbano. modelo de percepção corpo-sensorial. design inclusivo. arquitetura.

## WALKING AND EXPERIENCING THE OTHER: CASE OF SEVERAL CHOREOGRAPHIC PROJECTS

### CAMINHAR E RESENTIR O OUTRO: O CASO DE ALGUNS PROJETOS COREOGRÁFICOS

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#### ABSTRACT

This article focuses on several choreographic projects of collective walk to approach the manner in which ambiances form and transform in this particular context. By choosing to concentrate specifically on the relations between the participants of these projects and the on-lookers, a hypothesis is put forward that ambiances that thus arise will both be dependent on the very nature of the lived experience as sensible subjects, and reflect the manners of co-presence as users of the public space.

**KEYWORDS:** walking. choreography. experience. relation.

#### RESUMO

Este artigo interessa-se a alguns projetos coreográficos de caminhada coletiva para questionar a forma cujo as atmosferas se formão e se transformão neste contexto particular. A ênfase é colocada especificamente nas relações entre os participantes do projeto e os transeuntes. Isto permite-nos propor uma hipótese segundo a qual as atmosferas que emergem tanto se relacionam com a própria natureza da experiência vivida de sujeitos sensíveis como reflectem as formas de estar co-presente como utilizadores do espaço público.

**PALAVRAS-CHAVE:** andar. coreografia. experiência. relação.

## THE CITY AND MOBILITY UNDER THE LIGHT OF SYSTEMIC THINKING

### A CIDADE E A MOBILIDADE SOB A LUZ DO PENSAMENTO SISTÊMICO

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#### **ABSTRACT**

This article explores sustainable urban mobility through the lens of systemic thinking. Movement is fundamental to urban life, but unplanned city development has promoted the automobility paradigm, resulting in various negative externalities. This descriptive and exploratory study analyzes urban mobility as a complex and interdependent system. Based on the analysis of theoretical and technical references, it proposes a new paradigm focused on accessibility and sustainability, emphasizing the importance of integrated urban planning. The aim is to contribute to a holistic interpretation of urban phenomena, promoting fairer and more sustainable cities.

**KEYWORDS:** Urban mobility. Systemic thinking. Sustainability. Accessibility. Urban planning.

#### **RESUMO**

Este artigo explora a mobilidade urbana sustentável sob o prisma do pensamento sistêmico. O movimento é fundamental para a vida urbana, mas o desenvolvimento desordenado das cidades promoveu o paradigma da automobilidade, gerando diversas externalidades negativas. Este estudo, de natureza descritiva e exploratória, analisa a mobilidade urbana como um sistema complexo e interdependente. Com base na análise de referenciais teóricos e técnicos, propõe-se um novo paradigma focado na acessibilidade e sustentabilidade, destacando a importância de um planejamento urbano integrado. O objetivo é contribuir para uma interpretação holística dos fenômenos urbanos, promovendo cidades mais justas e sustentáveis.

**PALAVRAS chave:** Mobilidade urbana. Pensamento sistêmico. Sustentabilidade. Acessibilidade. Planejamento urbano.

## ANALYSIS OF ROAD SAFETY IN THE METROPOLITAN REGION OF MACEIÓ: APPLICATION OF SAFE SYSTEMS AND VISION ZERO PRINCIPLES

## ANÁLISE DA SEGURANÇA VIÁRIA NA REGIÃO METROPOLITANA DE MACEIÓ: APLICAÇÃO DOS PRINCÍPIOS DE SISTEMAS SEGUROS E VISÃO ZERO

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### ABSTRACT

From a systemic perspective of the Vision Zero and Safe Systems principles, this article aims to analyze the road safety challenges faced in the Metropolitan Region of Maceió (RMM). With data provided by the National Traffic Accident Registry (RENAEST), the State Traffic Department of Alagoas (DETRAN/AL), and media sources, 17 focus points were mapped and identified, with a total of 142 accidents, of which 72.5% are collisions, with an average of 2.2 victims per occurrence. The causes of the accidents indicated a recurrence of human factors; however, the analysis allowed us to understand that the lack of planning and supervision, along with engineering failures, directly influence the circumstances of the occurrences, and it is not the individual responsibility of road users. Finally, this study fosters reflections on road safety in the RMM and can contribute to planners in building safe systems for the region.

**KEYWORDS:** Vision Zero. Metropolitan Region of Maceió. Safe Systems. Systemic Perspective. Traffic Incidents. Road System.

### RESUMO

A partir de uma perspectiva sistêmica dos princípios do Visão Zero e Sistemas Seguros, este artigo propõe analisar os desafios da segurança viária enfrentados na Região Metropolitana de Maceió (RMM). Com o fornecimento de subsídios pelo Registro Nacional de Acidentes de Trânsito (RENAEST), Departamento Estadual de Trânsito de Alagoas (DETRAN/AL) e veículos midiáticos, foram mapeados e identificados 17 pontos de enfoque com 142 sinistros ao total, dos quais 72,5% são colisões, com uma média de 2,2 vítimas por ocorrência. As causas dos sinistros indicaram recorrência do fator humano, no entanto a análise permitiu entender que a falta de planejamento e fiscalização, e falhas de engenharia influenciam de forma direta as circunstâncias das ocorrências, não sendo responsabilidade individual dos usuários da via. Por fim, este estudo fomenta reflexões acerca da segurança viária na RMM e pode contribuir para agentes planejadores na construção de sistemas seguros para a região.

**PALAVRAS-CHAVE:** Visão Zero. Região Metropolitana de Maceió. Sistemas Seguros. Perspectiva Sistêmica. Sinistros de Trânsito. Sistema Viário.





# L03

## ARCHITECTURE AND HEALTH

**CHAIR** Catherine Schneider

The preamble to WHO's constitution provides a definition of health: "Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity."

To meet this objective, we need an architecture that takes into account the physical, mental and social needs of human beings.

What might these varied, complementary and compatible criteria be? What transdisciplinary collaborations would be relevant? Which disciplines should be involved? What forms of action?

How can we foster harmonious social ties? Within families, between families?

How can the senses be taken into account to promote physical well-being?

- Sound and auditory well-being: quantitative and qualitative, inside the home and outside, with windows open and closed.

- Olfactory well-being inside and outside homes, without chemical or synthetic fragrances

- Tactile, haptic and ergonomic well-being: materials, shapes, layouts

- Visual well-being: light, lighting, proportions, volumes, colors

What criteria are needed to promote mental well-being? What are the needs and the means to meet them: places to rest, isolate, recharge, share, communicate...

This "health" home project is aimed at students and professionals from a wide range of disciplines: perfume schools, dancers, physiotherapists, psychologists, composers, acousticians, designers, visual artists, decorators, landscapers, gardeners, nurserymen, veterinarians, engineers, project managers...

For testimonials of actions completed or in progress, upcoming projects, studies, surveys, etc.

## REFLECTION OF MENTAL HEALTH ON THE DIFFERENT AMBIANCES OF LIVING SPACES

## REFLEXÃO DA SAÚDE MENTAL NOS DIFERENTES AMBIENTES DOS ESPAÇOS DE VIDA

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### ABSTRACT

Atmospheres are increasingly evoked by various fields of research related to mental health. In a constantly changing world, even if the correlation between environmental psychology and social psychology is now well established, the mechanisms that link them are still the subject of numerous empirical and academic research. This contribution proposes to study daily practices and habits in the living spaces of ten Tunisian interiors and to highlight their importance in strengthening the interconnection that exists between home and its inhabitant. From this relationship, emerge a unique and particular atmosphere, resulting from the assembly of sensory criteria and other human needs among them. During visits of investigation, there was observation and oral testimonies of individuals in action in their homes. The analysis of this relationship by interpreting the perceived and felt impact of one on the other concludes with the behavioral and psychological translation of the living space on mental health.

**KEYWORDS:** atmosphere. living spaces. Habitus. senses. perception. mental health.

### RESUMO

As atmosferas são cada vez mais evocadas por diversos campos de pesquisa relacionados à saúde mental. Num mundo em constante mudança, mesmo que a correlação entre a psicologia ambiental e a psicologia social esteja agora bem estabelecida, os mecanismos que as ligam ainda são objecto de numerosas investigações empíricas e académicas. Esta contribuição propõe estudar práticas e hábitos diários nos espaços de convivência de dez interiores tunisinos e destacar a sua importância no fortalecimento da interligação que existe entre a casa e o seu habitante. Desta relação emerge uma atmosfera única e particular, resultante do conjunto de critérios sensoriais e de outras necessidades humanas entre eles. Durante as visitas de investigação, houve observação e depoimentos orais de indivíduos em ação em suas residências. A análise desta relação através da interpretação do impacto percebido e sentido de um sobre o outro conclui com a tradução comportamental e psicológica do espaço habitacional na saúde mental.

**PALAVRAS-CHAVE:** atmosfera. espaços de vida. Hábito. sentidos. percepção. saúde mental.

## VIRTUAL ENVIRONMENTS AND MENTAL HEALTH: DATA-BASED DECISIONS FOR BETTER COMFORT AND WELL-BEING

## AMBIENTES VIRTUAIS E SAÚDE MENTAL: DECISÕES BASEADAS EM DADOS PARA MELHOR CONFORTO E BEM-ESTAR

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### ABSTRACT

Our study integrates medical informatics with the architecture field. It results in the development of a virtual reality-based solution that aims to support autistic children. Our multidisciplinary team, comprising architects, engineers, and healthcare professionals, is developing an AI-based IT solution tailored to the local context. The project involves identifying real needs and designing and evaluating a virtual reality (VR) tool to help autistic children recognize and manage their emotions in various spatial situations. VR offers interactive, immersive environments that can be customized to each child's sensory needs, providing a safe space to practice social and emotional skills. This "health virtual environment" also serves as a training and support tool for professionals and parents, enhancing intervention practices and fostering better understanding and inclusion of autism. Our research aims to create more inclusive spaces and advance technological solutions, promoting neurological diversity and improving mental healthcare.

**KEYWORDS:** mental health. well-being. Informatic solutions. virtual environments. daily-life situations.

### RESUMO

Este trabalho explora a integração da arquitetura e da ciência de dados para criar ambientes de apoio para crianças autistas. Nossa equipe multidisciplinar, composta por arquitetos, engenheiros e profissionais de saúde, está desenvolvendo uma solução de TI baseada em IA adaptada ao contexto local. O projeto envolve a identificação de necessidades reais, o design e a avaliação de uma ferramenta de realidade virtual (RV) para ajudar crianças autistas a reconhecer e gerenciar suas emoções em diversas situações espaciais. A RV oferece ambientes interativos e imersivos que podem ser personalizados de acordo com as necessidades sensoriais de cada criança, proporcionando um espaço seguro para praticar habilidades sociais e emocionais. Este "ambiente virtual de saúde" também serve como ferramenta de treinamento e apoio para profissionais e pais, aprimorando práticas de intervenção e promovendo uma melhor compreensão e inclusão do autismo. Nossa pesquisa visa criar espaços mais inclusivos e avançar soluções tecnológicas, promovendo a diversidade neurológica e melhorando o cuidado da saúde mental.

**PALAVRAS-CHAVE:** saúde mental. bem-estar. tecnologias informáticas. ambientes virtuais situações do dia a dia.

## AMBULANCE AMBIENCES AND SIREN HARMONISATIONS: APPLIED ACOUSTICS RESEARCH AND SOUND/MUSIC DESIGN IN EMERGENCY AMBULANCE VEHICLES

## AMBIENTES DE AMBULÂNCIA E HARMONIZAÇÕES DE SIRENES: PESQUISA DE ACÚSTICA APLICADA E PROJETO DE SOM/MÚSICA EM VEÍCULOS DE AMBULÂNCIA DE EMERGÊNCIA

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### ABSTRACT

This paper offers an overview of the process and preliminary results of a collaborative research project, commissioned by Stockholm Regional Council Culture Department and AISAB, the largest provider of ambulance care services in Stockholm, Sweden. The project aimed to explore, in practical terms, how artistic and design methods could transform and improve the experience of ambulance interiors. To this aim, different artistic and design disciplines were convoked, notably sound art and symphonic orchestral music, material artistic practice and architectural lighting design. Focusing here on the music and sound design aspects, the resultant installation hardware and sound materials were subsequently deployed and tested within an operational ambulance space, with initial feedback from paramedics and patients utilised to begin to ascertain the effectiveness of the project's contribution to creating a more pleasant and engaging soundscape and acoustic experience within this singular, fast-paced and dynamic healthcare environment.

**KEYWORDS:** Sound art & design. Healthcare environments. Interior experience of ambulances. Sound attention masking. Co-design workshops.

### RESUMO

Este artigo oferece uma visão geral do processo e dos resultados preliminares de um projeto de pesquisa colaborativa, encomendado pelo Departamento de Cultura do Conselho Regional de Estocolmo e pela AISAB, o maior fornecedor de serviços de ambulância em Estocolmo, Suécia. O projeto teve como objetivo explorar, em termos práticos, como os métodos artísticos e de design poderiam transformar e melhorar a experiência dos interiores de ambulâncias. Para tal, foram convocadas diferentes disciplinas artísticas e de design, nomeadamente a arte sonora e a música orquestral sinfônica, a prática artística material e o desenho de iluminação arquitetônica. Focando aqui nos aspectos de música e design de som, o hardware de instalação e os materiais sonoros resultantes foram posteriormente implantados e testados dentro de um espaço operacional de ambulância, com feedback inicial de paramédicos e pacientes utilizados para começar a verificar a eficácia da contribuição do projeto para a criação de um ambiente mais uma paisagem sonora e uma experiência acústica agradáveis e envolventes neste ambiente de saúde singular, acelerado e dinâmico.

**PALAVRAS-CHAVE:** Arte sonora e design. Ambientes de saúde. Experiência interior de ambulâncias. Mascaramento de atenção sonora. Workshops de co-design.

## LIGHT, COLOUR AND HUMAN BEINGS: FUTURE CHALLENGES FOR A BETTER DESIGN

## LUZ, COR E SERES HUMANOS: DESAFIOS FUTUROS PARA UM MELHOR DESIGN

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### ABSTRACT

Lighting design involves product selection, arrangement, and system control. Despite its significant impact on human experiences, it is often reduced to aesthetic choices. Scientific literature highlights the influence of light on humans, frequently overlooked in favour of energy efficiency and visual performance. While efficiency and lighting practice remain essential, focusing solely on these aspects neglects broader well-being implications.

Professionals now recognise that photometry and calculations are insufficient; the perception of spaces, influenced by lighting distribution, is crucial. Lighting has evolved to support psychophysical well-being, incorporating technological advances and scientific research over the past twenty years.

The Human-Centric Lighting (HCL) approach enhances performance, attention, and sleep-wake cycles, particularly for night shift workers. However, the psychological response to light and colour remains underexplored. Understanding the emotional impact of light, influenced by various factors, is challenging but essential. Future research should document how light affects perception, cognition, and emotion to improve lighting design for individual well-being.

**KEYWORDS:** Light. Colour. Design. Psychology. Physiology.

### RESUMO

O design de iluminação envolve a seleção de produtos, distribuição e controle dos sistemas. Apesar da importância do impacto da luz nos humanos, frequentemente esse aspecto é minimizado em relação à eficiência energética e resultados visuais. Focar apenas nesses aspectos negligencia uma abordagem mais ampla quanto ao bem-estar humano.

Profissionais da área reconhecem que só a parte técnica é insuficiente; a percepção dos espaços, influenciada pela distribuição da luz, é essencial, assim como incorporar avanços tecnológicos e pesquisas dos últimos vinte anos. A iluminação centrada no ser humano melhora a performance, atenção e ciclos do sono, principalmente para quem trabalha em turnos noturnos. No entanto, a resposta psicológica à luz e à cor é pouco explorada. Entender o impacto emocional da luz, influenciado por diversos fatores, é desafiador, mas essencial. Pesquisas futuras devem documentar como a luz afeta percepção, cognição e emoção, com foco no bem-estar do indivíduo..

**PALAVRAS-CHAVE:** Luz. Cor. Design. Psicologia. Fisiologia.

## HEALTHY AND ATHIS: PARAMETERS AND TOOLS

## SALUBRIDADE E ATHIS: PARÂMETROS E FERRAMENTAS

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### **ABSTRACT**

This article discusses the relationship between health and housing, considering the premises of the WHO and NBR 15.575, which are related to environmental psychology, using the Technical Advisory on Housing of Social Interest - ATHIS as a tool, to combat housing inadequacy, based on the concepts of healthy housing, health promotion and habitability, aligned with the definition of health, set out in the preamble of the constitution of the World Health Organization - WHO. The method used was documentary and bibliographic review of primary and secondary sources, in VHL, CAPES, Google Scholar databases; in addition to qualitative analysis through documents, redesign and visits of an ATHIS case in an occupation in the central region of the city of Rio de Janeiro, according to the premises exposed in the theoretical framework analyzed. The results of this research may assist new investigations and ATHIS projects in Brazil.

**KEYWORDS:** healthy housing. healthy architecture. ATHIS. environmental psychology. habitability.

### **RESUMO**

Este artigo debate a relação de saúde e moradia, considerando premissas da OMS e da NBR 15.575, que se relacionam com psicologia ambiental, tendo como ferramenta a Assessoria Técnica em Habitação de Interesse Social - ATHIS, para enfrentamento da inadequação habitacional, fundamentada nos conceitos de habitação saudável, promoção de saúde e habitabilidade, alinhados com a definição de saúde, exposta no preâmbulo da constituição da Organização Mundial de Saúde - OMS. O método utilizado foi a revisão documental e bibliográfica em fontes primárias e secundárias, em bases de dados BVS, CAPES, Google Acadêmico; além de análise qualitativa de um caso de ATHIS em uma ocupação da região central da cidade do Rio de Janeiro por meio documental, redesenho e visitas, conforme as premissas expostas no referencial teórico analisado. Os resultados desta pesquisa poderão auxiliar novas investigações e projetos de ATHIS no Brasil.

**PALAVRAS-CHAVE:** habitação saudável. arquitetura saudável. ATHIS. psicologia ambiental. habitabilidade.

## SENSITIVE ARCHITECTURE: PROMOTING HEALTH AND SOCIAL HARMONY WITH NEUROARCHITECTURE

## ARQUITETURA SENSÍVEL: PROMOVEDO SAÚDE E HARMONIA SOCIAL COM A NEUROARQUITETURA

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### **ABSTRACT**

Neuroscience applied to Architecture contributes to creating spaces that promote physical health and mental and social well-being. According to the WHO, health includes a complete state of well-being beyond the absence of disease. In Architecture, elements such as air quality, lighting, acoustics, ergonomics, and visuals are essential for occupants' physical well-being. The careful selection of colors, materials, textures, shapes, and layouts impacts the health, behavior, and mood of users. This study investigated the colors red, green, and blue in Architecture, demonstrating significant changes in the mood of individuals exposed to these environments for four hours daily over a month during study activities

**KEYWORDS:** Sensitive Architecture. Neuroarchitecture. Health. Color. Humor.

### **RESUMO**

A Neurociência aplicada à Arquitetura contribui para a criação de espaços que promovem saúde física e bem-estar mental e social. Segundo a OMS, a saúde inclui um estado completo de bem-estar, além da ausência de doença. Em Arquitetura, elementos como qualidade do ar, iluminação, acústica, ergonomia e visuais são essenciais para o bem-estar físico dos ocupantes. A cuidadosa escolha de cores, materiais, texturas, formas e layouts impacta a saúde, comportamento e humor dos usuários. Este estudo investigou as cores vermelho, verde e azul na Arquitetura, demonstrando mudanças significativas no humor de indivíduos expostos a esses ambientes por quatro horas diárias durante um mês em atividades de estudo

**PALAVRAS-CHAVE:** Arquitetura Sensível. Neuroarquitetura. Saúde. Cor. Humor.

## DETERMINATION OF BIOCLIMATIC COMFORT ZONES BY GEOGRAPHIC INFORMATION SYSTEMS: ERBIL PROVINCE, IRAQ

## DETERMINAÇÃO DE ZONAS DE CONFORTO BIOCLIMÁTICO POR SISTEMAS DE INFORMAÇÃO GEOGRÁFICA: PROVÍNCIA DE ERBIL, IRAQUE

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### ABSTRACT

Throughout the world, there are so many unplanned lands where irregular urbanization has been formed. The main reason for this sort of urbanization is due to industrial revolutions. According to the vivid evidence, during the industrial revolution the number of accessible lands for settling people increased. In this respect, it is time to introduce "Bioclimatic comfort" as a tool to adapt people to live in conditions where they use the minimum amount of energy. The goal of this study is to determine Bioclimatic comfort zones in Erbil city. However, before determining bioclimatic comfort level in an area, some important climate elements must be evaluated as a map first ; wind speed (WS), temperature (T), and relevant humidity (RH). By gathering information about wind speed (WS), temperature (T), and relevant humidity (RH) maps, bioclimatic comfort zones of Erbil city can be obtained. In addition ArcGIS 9.3 software, and Inverse Distance Weighting (IDW).

**KEYWORDS :** guidelines. submission. paper. Model. Architecture. Ambiances. (separated by period and space).

### RESUMO

A urbanização irregular em todo o mundo é resultado das revoluções industriais, que aumentaram a disponibilidade de terras para acomodar pessoas. Para adaptar as pessoas a viverem de forma sustentável, é crucial introduzir o conceito de "conforto bioclimático". Este estudo busca determinar as zonas de conforto bioclimático em Erbil, considerando elementos como velocidade do vento, temperatura e umidade relativa. O método inverse distance weighting (IDW) é utilizado para analisar esses dados e mapear as zonas de conforto na cidade. Essas informações são essenciais para criar ambientes urbanos mais sustentáveis e eficientes em termos energéticos. O uso do software ArcGIS 9.3 facilita a visualização e análise dos dados climáticos para identificar as melhores práticas de planejamento urbano e promover o conforto dos habitantes. Com a implementação de estratégias baseadas no conforto bioclimático, Erbil pode se tornar uma cidade mais resiliente às mudanças climáticas e mais agradável para seus residentes.

**PALAVRAS-CHAVE:** diretrizes. submissão. papel. modelo. arquitetura. Ambientes. (separados por período e espaço).



## RESTORE HUMAN WELL-BEING AND URBAN BIODIVERSITY WITHIN THE CITY THROUGH DEVELOPING CITY RESTORATIVES MILIEUX AND CORRIDORS USING BIOPHILIC ARCHITECTURE

## RESTAURAR O BEM-ESTAR HUMANO E A BIODIVERSIDADE URBANA NA CIDADE ATRAVÉS DO DESENVOLVIMENTO DE AMBIENTES RESTAURATIVOS E CORREDORES CIDADES UTILIZANDO A ARQUITECTURA BIOFÍLICA

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### ABSTRACT

Human well-being is a major topic in cities' development. The climate and social crisis influence human well-being and cities' livability, calling for the need for new architectural innovations that consider human well-being and cities' restoration as the core of the development process. This article highlights the importance of rethinking cities' restoration starting from a human scale. And aims to map a methodological selection of ambiances at the Gulbenkian Foundation in Lisbon as a case study to provide a database for further phd research. By analyzing this case study and addressing the question of how biophilia can reverse the city to its origin to belong to its people by the amalgamation of human-scale with the principles of biophilia to develop more human-friendly ambiances, investigating how biophilic architecture can promote more restorative urban ambiances and corridors within the city. Therefore, developing cities with more dynamic and restorative milieux for its people.

**KEYWORDS:** Biophilia, Milieux, Human Scale, Corridors, Wellbeing, Restoratives, Biodiversity.

### RESUMO

O bem-estar humano é um tema importante no desenvolvimento das cidades. A crise climática e social influencia-o e a habitabilidade das cidades, exigindo a necessidade de novas inovações arquitetónicas, considerando o bem-estar humano e a restauração das cidades como o núcleo do processo. Este artigo realça a importância de repensar a restauração das cidades a partir de uma escala humana. O artigo tem objectivo de selecção metodológica de ambientes na Gulbenkian para fornecer uma base de dados para a investigação de doutoramento. E levará o leitor a explorar como a arquitetura biofílica pode promover ambientes urbanos mais restauradores dentro da cidade. Ao analisar o caso de estudo e abordar como a biofilia pode reverter a cidade à sua origem para pertencer ao sua população começar de escala humana para desenvolver ambientes e corredores amigáveis para o homem, por isso, desenvolver cidades com ambientes mais dinâmicos e reparadores para a sua população.

**PALAVRAS-CHAVE:** Biofilia, Meios, Escala Humana, Corredores, Bem-Estar, Restauradores, Biodiversidade.

## A HOUSE WHERE THE SUN DOES NOT REACH, THE DOCTOR DOES

## UMA CASA ONDE O SOL NÃO ALCANÇA, O MÉDICO ALCANÇA

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### **ABSTRACT**

Housekeeping manuals emerged in the mid-19th century across Europe and the United States, during a tumultuous period marked by deadly pandemics and diseases. Primarily aimed at housewives, these texts provided detailed tutorials and instructions on various aspects of household management, personal hygiene, women's roles and behavior, and cooking recipes among others. Nearly every manual begins with meticulous guidance on selecting a city plot, constructing a house, choosing the appropriate materials, and furnishing it. Central to all these texts is the emphasis on building a hygienic living environment, avoiding the hidden dangers associated with the materials of newly built houses, and inhabiting spaces in a healthy way. The aim of this paper is to shed light on past, yet still relevant, ideas and practices for creating a healthy living ambiance, both inside and outside the home, from an often overlooked but crucial period in the historiography of architecture.

**KEYWORDS:** housekeeping manuals. housewives. healthy living. 19th century domestic interiors. medicalization.

### **RESUMO**

Manuais de manutenção doméstica surgiram em meados do século XIX na Europa e nos Estados Unidos, durante um período tumultuado marcado por pandemias e doenças mortais. Destinados principalmente às donas de casa, esses textos forneciam tutoriais detalhados e instruções sobre vários aspectos da gestão doméstica, higiene pessoal, papéis e comportamentos das mulheres, além de receitas culinárias, entre outros. Quase todos os manuais começavam com orientações meticulosas sobre como selecionar um terreno na cidade, construir uma casa, escolher os materiais apropriados e mobiliá-la. Central a todos esses textos era a ênfase em construir um ambiente de vida higiênico, evitar os perigos ocultos associados aos materiais das casas recém-construídas e habitar os espaços de maneira saudável. O objetivo deste artigo é lançar luz sobre ideias e práticas passadas, mas ainda relevantes, para criar um ambiente de vida saudável, tanto dentro quanto fora de casa, de um período frequentemente negligenciado, mas crucial, na historiografia da arquitetura.

**PALAVRAS-CHAVE:** manuais de manutenção doméstica. donas de casa. vida saudável. interiores domésticos do século XIX. medicalização.

## A HOUSE WHERE THE SUN DOES NOT REACH, THE DOCTOR DOES SONIC INCLUSION: ABLEISM AND THE CULTURAL POLITICS OF LISTENING

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### **ABSTRACT**

This paper takes an auto-ethnographic approach, describing and reflecting on the authors experiences of sound and madness in public spaces in the UK including city parks, cinemas and music festivals. The paper considers the interplay between sound and madness in shaping feelings of social inclusion within existing discourses from critical disability studies and inclusive design, focusing on the emerging terms 'The Auditory Normate' and 'Aural Diversity'. Practical examples of sonically inclusive design are shared alongside discussion of recent policy and legislation relating to sound, accessibility and inclusion. The paper concludes by suggesting that in challenging normative assumptions about sound and madness and orienting the design of public places towards disability justice, opportunities to create a more socially and sonically just world begin to emerge.

**KEYWORDS:** Madness. Inclusive Design. Disability Justice. Ableism.



# L04

## "ART AS DOCUMENT", OPENING HISTORICAL ARCHIVE TO ARTISTIC REGISTERS IN ARCHITECTURE

**CHAIR**     **Maria Rita Pais**

Architecture research is traditionally addressed on perspectives aiming for object and author comprehension. We propose to change the research point of view from creation to reception. Inspired by the revisitation of Maurice Merleau-Ponty's idea of experience of art, we propose to gather, understand and discuss architecture throughout art production reading, and more specifically to better understand the Architecture of war. This idea also follows Hans Robert Jauss' Aesthetics of Reception, including what happens in the consciousness received and in its aesthetic fruition.

Within the scope of this session, we don't aspire to propose a new methodology, instead, we propose to collect examples, discuss cases and check the potential of art making, creative registers and art reading as a way to interpret space and architecture. We propose to study architecture through the intervening parties from its creation to its use through Jauss's Aesthetics of Reception and the Eco's Opera Aperta. And, in this sense, we understand space as a result of the duality between authors' conceptual ideas, together with the inhabitant understanding, embodiment and social behavior.

In other hand, the sociologist and philosopher Henri Lefebvre is responsible for this approach that crosses this phenomenological basis with a critical analysis of a more political and social content. In his seminal book *La Production de l'Espace*, Lefebvre proposes an approach based on the triad of the "perceived" space of the "physical" world, the "conceived"

space of the "mental" world and the "lived" space of the "social" world, what he defines respectively as "spatial practice", "space representations" and "representational spaces", seeking with this distinction to capture different analytical perspectives on spatial reality. So in this sense, this session wants to gather and discuss the relevance of the visual archive, and the narration archive to bring these visuality, this physicality, this experience and performativity into the hands of those who study architecture.

## OBJECT OF DESIRE LUXURY OBJECTS AND POLITICAL CONFLICTS

## OBJECTOS DE DESEJO ARTEFACTOS DE LUXO E CONFLITOS POLÍTICOS

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### ABSTRACT

This article explores the transformation of luxury objects, which belong to political and economic elites, into symbols of global political conflicts, with consideration of their multifaceted manifestations and the social perceptions of luxury, power, and status. It examines how economic power dynamics, geopolitical tensions, distinctive elite lifestyles, and status symbols impact local social, aesthetic, and symbolic norms and perceptions. The study focuses on the case studies of two iconic luxury objects of desire: the Miramar Castle and Sailing Yacht A, both located in the Gulf of Trieste. It is divided into four chapters: Breaking News, Lifestyle, Leisure, and Desire. It aims to document the shift of "imperial" luxury objects towards symbols of global political conflicts and register their perceptions through a comparative research approach. This shift, occurring amidst global power ambitions, challenges and questions the resilience of the Triestino lifestyle and its traditional notions of space, leisure, and cultural heritage.

**KEYWORDS:** luxury object of desire. elite lifestyle. Gulf of Trieste. Castle Miramare. Sailing yacht A.

### RESUMO

Este artigo explora a transformação de objetos de luxo, relacionados com a política e com as elites económicas, em símbolos de conflitos políticos globais, tendo em conta as suas manifestações multifacetadas e as percepções sociais de luxo, poder e de status. E examina como a dinâmica do poder económico, as tensões geopolíticas, os estilos de vida distintos das elites e os símbolos de status impactam as normas e percepções sociais, estéticas e simbólicas locais. A análise centra-se no caso de estudo de dois objetos icónicos de desejo e de luxo: O Castelo Miramar e o Sailing Yacht A, ambos localizados no Golfo de Trieste. O estudo está dividido em quatro capítulos: "Notícias de Última Hora", "Estilo de Vida", "Lazer" e "Desejo". Pretende documentar-se a mudança da ideia de objectos de luxo "imperiais" para a ideia de símbolos de conflitos políticos globais e registar as suas percepções através de uma abordagem de investigação comparativa. Esta mudança, que ocorre no meio de ambições de poder global, desafia e questiona a resiliência do estilo de vida de Triestino e as suas noções tradicionais de espaço, lazer e património cultural.

**PALAVRAS-CHAVE:** objeto de luxo de desejo. estilo de vida de elite. Golfo de Trieste. Castelo de Miramare. late à vela A.

## COMPARATIVE STUDY OF VERNACULAR HOUSE TYPOLOGIES: ERBIL'S HISTORICAL DISTRICTS VS. ERBIL GOVERNORATE TOWNS

## ESTUDO COMPARATIVO DAS TIPOLOGIAS DE CASAS VERNACULARES: DISTRITOS HISTÓRICOS DE ERBIL VS. CIDADES DO GOVERNO DE ERBIL

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### ABSTRACT

This study offers a comparative analysis of vernacular house typologies in Erbil's historical districts and its governorate towns, examining the architectural, cultural, and environmental interactions between urban and rural architectures. With Erbil's rich history spanning thousands of years, traditional Kurdish houses reflect diverse influences. Using a methodological approach combining field observations, architectural analysis, and interviews with local inhabitants and experts, the research identifies the distinctive characteristics, construction techniques, and materials used in these houses. It explores their adaptations to environmental conditions, socio-economic contexts, and cultural demands. Findings highlight significant architectural similarities and differences, enhancing understanding of the region's cultural continuity and diversity. The study concludes with recommendations for integrating vernacular wisdom into contemporary architectural practices and strategies for conserving Erbil's heritage. This research not only enriches academic discourse on vernacular architecture but also aids in policy formulation for sustainable urban and rural development in the Kurdish region.

**KEYWORDS:** Typology houses, Vernacular architecture, Cultural heritage preservation, Traditional construction techniques.

### RESUMO

Este estudo oferece uma análise comparativa das tipologias de casas vernaculares nos distritos históricos de Erbil e nas cidades do governo, examinando as interações arquitetônicas, culturais e ambientais entre arquiteturas urbanas e rurais. Com uma rica história que abrange milhares de anos, as casas tradicionais curdas refletem diversas influências. Utilizando uma abordagem metodológica que combina observações de campo, análise arquitetônica e entrevistas com habitantes locais e especialistas, a pesquisa identifica as características distintivas, técnicas de construção e materiais utilizados nessas casas. Explora suas adaptações às condições ambientais, contextos socioeconômicos e demandas culturais. Os resultados destacam semelhanças e diferenças arquitetônicas significativas, aprimorando a compreensão da continuidade cultural e da diversidade da região. O estudo conclui com recomendações para integrar saberes vernaculares nas práticas arquitetônicas contemporâneas e estratégias para conservar o patrimônio de Erbil. Esta pesquisa não apenas enriquece o discurso acadêmico sobre arquitetura vernacular, mas também auxilia na formulação de políticas para o desenvolvimento urbano e rural sustentável na região curda.

**PALAVRAS chave:** Tipologias de casas, Arquitetura vernacular, Preservação do patrimônio cultural, Técnicas tradicionais de construção.



## DRAWING LIKE AN ARCHITECT. A VIDEOGRAPHIC RESEARCH AND CREATION FROM THE "MAX BILL" ARCHIVES

### DESENHAR COMO UM ARQUITECTO. UMA PESQUISA E CRIAÇÃO VIDEOGRÁFICA A PARTIR DOS ARQUIVOS DE "MAX BILL"

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#### **ABSTRACT**

This contribution is based on initial exploratory work conducted on a selection of drawings by Max Bill (1908-1994). The Max Bill Georges Vantongerloo Foundation, located in Zumikon (Zurich) in the second house-studio designed and inhabited by Max Bill himself, holds an archive that attests to the architect's daily practice. The research-creation project in question draws on this corpus to investigate a type of drawing that uniquely borrows its means from the architectural discipline, even when it involves sketches intended for painting projects. The ongoing research aims to produce a series of short videos showing the approach of the painter-architect, without adhering to the criteria of didactic documentary films.

**KEYWORDS:** Drawing, archives, space, architecture, Max Bill, film, study overlay, geometry, diagram.

#### **RESUMO**

Esta contribuição baseia-se num primeiro trabalho exploratório realizado sobre uma seleção de desenhos de Max Bill (1908-1994). A Fundação Max Bill Georges Vantongerloo, situada em Zumikon (Zurique) na segunda casa-estúdio projetada e habitada pelo próprio Max Bill, dispõe de um arquivo que testemunha a prática quotidiana do arquiteto. O projeto de investigação-criação em questão apoia-se neste corpus para examinar uma forma de desenho que tem a particularidade de tomar emprestados os seus meios da disciplina arquitetônica, mesmo quando se trata de esboços destinados a projetos de pintura. O objetivo da investigação em curso é produzir uma série de pequenos vídeos que mostrem a abordagem do pintor-arquiteto, sem no entanto satisfazer os critérios de um documentário didático.

**PALAVRAS-CHAVE:** Desenho, arquivos, espaço, arquitetura, Max Bill, filme, camada de estudo, geometria, diagrama.



# L05

## ATTUNING WITH THE WORLD: IMAGINING AND MAKING ATMOSPHERES

**CHAIRS** Aleksandar Staničić  
Shanti Sumartojo

The relationship between atmospheres, imagination, and architectural design is a complex one. While the built environment is often described, experienced or recalled as atmospheric, we contend that we need new methods of imagination in architectural and design practice - and in particular through making - to advance design for and with atmospheres.

One reason for this is that imaginative processes of making are powerful in helping people feel their way into atmospheres, by engaging directly with materials and their affordances, by working collaboratively with other people and non-humans, and by engaging in complex manual problem solving that requires people to attend carefully to the actual, situated conditions of their practice. Moreover, architectural methods of visualising, drawing and modelling are intended to support design processes that focus on the structure itself more than the experience of those who might one day encounter it. Such processes necessarily reduce the built environment to flattened and abstracted propositions. While these may be imagined as atmospheric by the architect or designer, if, as Edensor and Sumartojo (2015) insist, atmospheres cannot be designed, then how can we actually develop an atmospheric attunement with the world? How might we develop an atmospheric praxis - a possibility that brings a deep conceptual engagement with the past decade of thinking about atmospheres together with the expertise and methodological rigor of architectural practice? In this panel we invite submissions that discuss new methods for designing with, through or for atmospheres. We hope to hear from both creative practitioners who work with a concept of atmospheres in the built environment, and researchers who consider imagining or making built

environments. In particular, we wish to focus on:

New approaches to methods of imagination or design - how can we speculate about built futures atmospherically? What does an atmospheric lens or practice make possible?

How can architecture's role as a means by which culture is produced, reinforced and challenged be approached through an atmospheric lens.

How can we attend to and account for sensory aspects - light, sound, touch, temperature, the movement of air, proprioception and more - achieved through various architectural elements?

## EMERGING ATMOSPHERES: SENSORIMOTOR INTEGRATION IN REAL-TIME DESIGN AND MAKING IN THE UNIVERSE OF AFFECTIVE MATERIALITIES

### ATMOSFERAS EMERGENTES: INTEGRAÇÃO SENSORIOMOTORA EM TEMPO REAL NO DESIGN E NA CRIAÇÃO NO UNIVERSO DAS MATERIALIDADES AFETIVAS

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#### ABSTRACT

This paper explores an innovative methodology for embodied and interdisciplinary prototyping for digital and analog interfaces based on the enactive approach to embodied cognition as the foundation for embodied design processes. This approach enhances creativity and spatial awareness and proposes a dynamic framework for understanding design as a deeply embodied and situated internal experience that takes shape and materializes through our interaction with the world. Drawing on the intersections of neuroscience, somatic practices, and phenomenological philosophy, this study articulates how architectural atmospheres can transcend traditional aesthetic boundaries to engage more holistically with the enactment of situated human perception. This emergent paradigm will look into the interplay between the body, the mind, and the material world, through the “theatrical enactment” of “the Universe of Affective Materialities” (UoAM), a context-based role-play exercise that questioned the position of material culture during the process of designing spaces for learning and innovation, performed during the interdisciplinary research project “Alternative Lab for Future Skills”, by the MKRZ Lab in Austria.

**KEYWORDS:** Emerging Atmospheres. Imagination and Innovation. Enactivism. Interdisciplinary Prototyping. Awareness through Movement. Neuroscience and Architecture. Affective Materialities.

#### RESUMO

Este artigo explora uma metodologia inovadora para prototipagem incorporada e interdisciplinar para interfaces digitais e analógicas baseada na abordagem enativista da cognição incorporada como base para processos de design incorporados. Esta abordagem aumenta a criatividade e a consciência espacial e propõe uma estrutura dinâmica para a compreensão do design como uma experiência interna profundamente incorporada e situada que toma forma e se materializa através da nossa interação com o mundo. Baseando-se nas interseções da neurociência, das práticas somáticas e da filosofia fenomenológica, este estudo articula como as atmosferas arquitetônicas podem transcender as fronteiras estéticas tradicionais para se envolverem de forma mais holística com a representação da percepção humana situada. Este paradigma emergente examinará a interação entre o corpo, a mente e o mundo material, através da “representação teatral” do “Universo de Materialidades Afetivas” (UoAM), um exercício de dramatização baseado no contexto que questionou a posição da cultura material durante o processo de concepção de espaços de aprendizagem e inovação, realizado durante o projecto de investigação interdisciplinar “Alternative Lab for Future Skills”, do MKRZ Lab na Áustria.

**PALAVRAS-CHAVE:** Atmosferas Emergentes. Imaginação e Inovação. Enativismo. Prototipagem Interdisciplinar. Consciência através do Movimento. Neurociência e Arquitetura. Materialidades Afetivas.

## ATMOSPHERIC DEVICES FOR ARCHEOLOGICAL NARRATIONS

### DISPOSITIVOS ATMOSFÉRICOS PARA NARRAÇÕES ARQUEOLÓGICAS

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#### **ABSTRACT**

This contribution investigates the role of atmospheres in the valorisation processes of archaeological areas through architectural design. It is argued that the valorisation of these particular heterotopias often relies too heavily on historical and speculative narratives, neglecting the emotional and corporeal dimension of the visitor. As a result, these areas remain isolated from contemporary vital processes, confined within boundaries that are physical, cultural, and perceptual, becoming true places of absence. The felt-body, with its anachronistic dimension, and the atmospheres amplified through it, offer a re-sounding threshold for bridging this distance caused by the rigidity of the Cartesian gaze. The investigation will be conducted through the review of two case studies in Germany and an archaeological enhancement project in Portugal, all of which, to varying degrees and with different levels of intentionality, deploy atmospheres as an integral part of their narrative strategy.

**KEYWORDS:** atmospheres. architecture. valorisation project. archaeology. cultural heritage.

#### **RESUMO**

Esta contribuição pretende explorar o papel das ambiências nos processos de valorização de áreas arqueológicas através de projetos de arquitetura. Argumenta-se que a valorização destas heterotopias particulares se baseia muitas vezes demasiado em narrativas históricas e especulativas, negligenciando a dimensão emocional e corpórea do visitante. Como resultado, estas áreas ficam isoladas dos processos vitais contemporâneos, estabelecendo fronteiras que vão para além das preocupações físicas e relacionadas com a conservação. O corpo-sentido, com a sua dimensão anacrónica, e as ambiências que através dele se amplificam, oferecem um limiar retumbante para colmatar esta distância provocada pela rigidez do olhar cartesiano. A investigação será conduzida através da revisão de dois estudos de caso na Alemanha e de um projeto de valorização arqueológica em Portugal, todos os quais, em diferentes graus e com diferentes níveis de intencionalidade, utilizam as atmosferas como parte integrante de sua estratégia narrativa

**PALAVRAS-CHAVE:** ambiências. arquitetura. projeto de valorização. arqueologia. património cultural.

## THE CITY AS A COSMOPOLITICAL BOARD GAME: CANDOMBLÉ TERREIROS IN BAHIA, ATMOSPHERES, AND DESIGN GAMES

### A CIDADE COMO UM JOGO DE TABULEITO COSMOPOLÍTICO: TERREIROS DE CANDOMBLÉ NA BAHIA, ATMOSFERAS, E JOGOS PROJETUAIS

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#### **ABSTRACT**

The Anthropogenic march of urbanization and environmental degradation threatens our built heritage and countless species. Imagine a board game where heritage-based design integrates human and non-human agents, their spaces, and atmospheres, creating a playfield for climate adaptation reflections. The proposed board game concept is a journey through the mood of Candomblé Terreiros in Bahia, Brazil, where players role-play as spiritual leaders, community champions, government organisations, plants and animals. They negotiate climate adaptation challenges to preserve sacred rituals, cherished artifacts and sacred groves, all while navigating a living map of Salvador. As players succeed to collaborate, their decisions shape the narrative, blending reality and imagination with cosmological proportions. Methodologically grounded in the literature, this game aspires to be an educational and a heritage management tool of Afro-diasporic cosmoperceptions. The result is a reflexive proposal, a conceptual exercise that demonstrates the game's potential in translating sensory experiences into actionable preservation strategies.

**KEYWORDS:** Atmospheric Architecture. Design Games. Heritage-Based Design. Human and Non-Human Agency. Cosmopolitics.

#### **RESUMO**

A marcha antropogênica da urbanização e degradação ambiental ameaça nosso patrimônio construído e inúmeras espécies. Imagine um jogo de tabuleiro onde o design baseado no patrimônio integra agentes humanos e não humanos, seus espaços e atmosferas, criando um campo de jogo para reflexões sobre adaptação climática. O jogo de tabuleiro conceitual proposto é uma jornada através do ambiente dos Terreiros de Candomblé na Bahia, Brasil, onde os jogadores assumem papéis de líderes espirituais, defensores comunitários, organizações governamentais, plantas e animais. Eles negociam desafios de adaptação climática para preservar rituais sagrados, artefatos preciosos e bosques sagrados, tudo isso enquanto navegam por um mapa vivo de Salvador. À medida que os jogadores colaboram com sucesso, suas decisões moldam a narrativa, mesclando realidade e imaginação em proporções cosmológicas. Metodologicamente fundamentado na literatura, este jogo aspira ser uma ferramenta educacional e de gestão do patrimônio das cosmopercepções afro-diaspóricas. O resultado é uma proposta reflexiva, um exercício conceitual que demonstra o potencial do jogo em traduzir experiências sensoriais em estratégias de preservação acionáveis.

**PALAVRAS-CHAVE:** Arquitetura Atmosférica. Jogos Projetuais. Projeto Baseado no Patrimônio. Agência Humana e Não Humana. Cosmopolítica.

## ATMOSPHER(IC) TACTICS IN DESIGN EDUCATION: CAVERNOUS EXCAVATIONS

## TÁTICAS ATMOSFÉRICAS NA EDUCAÇÃO EM DESIGN: ESCAVAÇÕES CAVERNOSAS

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### ABSTRACT

This pedagogically grounded research delves into the affective potential of atmospheric thinking within architectural design education. The study adopts the concept 'atmosphere(ic),' instead of atmosphere, implementing the concept in a more operational manner to generate imaginative prompts in studio briefs that create a temporary 'suspension' for students. This approach fosters students' intrinsic attunement to the context, thereby allowing them to develop unique atmospheric tactics for designing affective spatial experiences. The experiment was conducted as an assignment in a first-year interior design studio, students were challenged to create immersive affective experiences within interior spaces embedded in fictional cavernous topographies inspired by close-up images of natural caves. Learning from the studio challenge, this paper emphasizes the correlations between affective experiences and atmospheric thinking as well as the interconnectedness of interior and exterior.

**KEYWORDS:** atmosphere. atmospheric. suspension. design education. affect. interiority

### RESUMO

Esta pesquisa, fundamentada pedagogicamente, explora o potencial afetivo do pensamento atmosférico na educação do design arquitetônico. Este estudo adota o conceito de 'atmosfera(ic)' em vez de atmosfera, implementando-o de maneira mais operacional para gerar sugestões imaginativas em briefs de estúdio que criam uma 'suspensão' temporária para os alunos. Esta abordagem promove a sintonia intrínseca dos alunos com o contexto, permitindo-lhes desenvolver táticas atmosféricas únicas para projetar experiências espaciais afetivas. O estudo foi realizado como uma tarefa em um estúdio de design de interiores do primeiro ano, onde os alunos foram desafiados a criar experiências imersivas e afetivas em espaços interiores embutidos em topografias cavernosas fictícias, inspiradas em imagens de close-up de cavernas naturais. Aprendendo com o desafio do estúdio, este artigo enfatiza as correlações entre experiências afetivas e pensamento atmosférico, bem como a interconexão entre interior e exterior.

**PALAVRAS-CHAVE:** atmosfera. atmosférico. suspensão. educação em design. afeto. interioridade



## MEMORIES AND ATMOSPHERES: LEARNING FROM THE PAMMATONE COMPLEX IN GENOA

### MEMÓRIAS E ATMOSFERAS: APRENDENDO COM O COMPLEXO PAMMATONE EM GÊNOVA

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#### ABSTRACT

We need memories to co-generate affective atmospheres, which are unique to the extent that they develop from analogies with other experiences. The greatest atmospheric engagement occurs in spaces resonating with our embodied habits, emotional affinities, and body memories. This paper investigates strategies that make a space memorable and observes how memories trigger the atmospheric potential of certain places. Our case study is the Pammatone business and housing complex designed by Franco Albini and Franca Helg in the Piccapietra district in Genoa in the mid-20th century. We purposely selected a building that resulted from an enduring atmospheric praxis rather than an attempt to induce sensorial oversaturation: Albini and Helg were pioneers in teaching how to stage atmospheric spaces—long before the current “atmospheric turn.”

**KEYWORDS:** memory. atmosphere. co-generation. Albini Helg. Pammatone

#### RESUMO

Precisamos de memórias para co-gerar atmosferas afetivas, sempre únicas na medida em que crescem em analogias com outras experiências. O êxtase atmosférico mais forte envolve espaços que ressoam com nossos hábitos incorporados, afinidades emocionais e memórias corporais. Este artigo investiga estratégias para tornar um espaço memorável e observa como as memórias ativam o potencial atmosférico de alguns lugares. Nosso estudo de caso é o complexo empresarial e habitacional Pammatone projetado por Franco Albini e Franca Helg no distrito de Piccapietra, em Gênova, em meados do século XX. Selecionamos propositalmente um edifício que não induz uma supersaturação sensorial, mas resulta de uma práxis atmosférica duradoura: Albini e Helg foram pioneiros em ensinar como encenar espaços atmosféricos—muito antes da atual “virada atmosférica”.

**PALAVRAS-CHAVE:** memória. atmosfera. co-geração. Albini Helg. Pammatone

## MEMORIES AND ATMOSPHERES: DIGITAL TECHNOLOGY AS A TOOL FOR CREATING A MULTI-SENSORY AMBIANCE IN ARCHITECTURE

### A TECNOLOGIA DIGITAL COMO FERRAMENTA PARA CRIAR UM AMBIENTE MULTI-SENSORIAL EM ARQUITECTURA

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#### **ABSTRACT**

The research is based on the question "Do technology and the digital transformation that comes with it move us away from a multi-sensory and human-centred design approach by focusing only on the sense of vision?" The aim of the research is not to prove this right or wrong, but to explore the potential of digital technology as a tool for creating a multi-sensory spatial atmosphere. To this end, immersive experience spaces, one of the most important examples of digitalization in architecture, will be discussed. Example projects designed for different functions were analysed. As a result of the research, it was concluded that digital technology can be used as a tool to create a multi-sensory environment. Many variables such as the function, purpose, user group and usage process of the space determine which senses it will be designed for and, more importantly, what kind of content will be constructed.

**KEYWORDS:** digitalization in architecture. digital experience. multisensory design. space ambiance. immersive experience space.

#### **RESUMO**

A investigação baseia-se na seguinte questão: "Será que a tecnologia e a transformação digital que a acompanha nos afastam de uma abordagem de design multissensorial e centrada no ser humano, concentrando-nos apenas no sentido da visão?" O objetivo da investigação não é provar que isto está certo ou errado, mas sim explorar o potencial da tecnologia digital como ferramenta para criar uma atmosfera espacial multissensorial. Para tal, serão discutidos os espaços de experiência imersiva, um dos exemplos mais importantes de digitalização na arquitetura. Foram analisados exemplos de projectos concebidos para diferentes funções. Como resultado da investigação, concluiu-se que a tecnologia digital pode ser utilizada como uma ferramenta para criar um ambiente multissensorial. Muitas variáveis, como a função, o objetivo, o grupo de utilizadores e o processo de utilização do espaço, determinam os sentidos para os quais será concebido e, mais importante ainda, o tipo de conteúdo que será construído.

**PALAVRAS-CHAVE:** digitalização na arquitetura. experiência digital. design multissensorial. ambiente espacial. espaço de experiência imersiva.

## ATTUNEMENT WITH-IN MOTION: TRACING AS-IN PLACE

### SINTONIZANDO COM O MOVIMENTO: RASTREANDO COMO ESTÁ NO LUGAR

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#### **ABSTRACT**

This paper introduces an original embodied method of tracing and attuning to the dynamics (sights, sounds, movement, and sensations) with-in a site. The practices discussed can also be used during design to describe, feel, and imagine a future design as if inside it. Developed during a transdisciplinary PhD, this approach uses movement to bridge the sensory gap between the architect-designer, the animate site of the future building, and the experience of future inhabitants. This method requires no prior dance training and is influenced by Laban Movement Analysis, Movement Improvisation, and Non-verbal Communication. It uses familiar gestural movement to perceive, trace and attune to the multisensory characteristics of a place in real-time. By echoing and embodying surrounding spatial relationships, rhythms and densities, designers can achieve a memorable understanding of both dynamic and static place characteristics, enhancing the designer's attunement with the site or design.

**KEYWORDS:** architecture. design. movement. embodied. space. rhythm. density. attunement. dynamics.

#### **RESUMO**

Este artigo apresenta um método incorporado original de rastrear e sintonizar a dinâmica (visões, sons, movimentos e sensações) dentro de um local. As práticas discutidas também podem ser usadas durante o design para descrever, sentir e imaginar um design futuro como se estivesse dentro dele. Desenvolvida durante um doutorado transdisciplinar, esta abordagem utiliza o movimento para preencher a lacuna sensorial entre o arquiteto-designer, o local animado do futuro edifício e a experiência dos futuros habitantes. Este método não requer treinamento prévio em dança e é influenciado pela Análise de Movimento Laban, Improvisação de Movimento e Comunicação Não-Verbal. Utiliza movimentos gestuais familiares para perceber, rastrear e sintonizar as características multissensoriais de um lugar em tempo real. Ao ecoar e incorporar as relações espaciais, ritmos e densidades circundantes, os designers podem alcançar uma compreensão memorável das características dinâmicas e estáticas do local, melhorando a sintonia do designer com o local ou design.

**PALAVRAS-CHAVE:** arquitetura. projeto. movimento. corporificada. espaço. ritmo. densidade. sintonização. dinâmica.

## APPROACHING WALKABILITY THROUGH AMBIANCE AS A STRATEGY FOR FOSTERING INHABITANT AGENCY WITH REGARD TO THE WALKABILITY OF SUBURBAN ENVIRONMENTS: THE CASES OF EYBENS, FRANCE AND BROSSARD, CANADA

## ABORDANDO A CAMINHABILIDADE ATRAVÉS DA AMBIÊNCIA COMO UMA ESTRATÉGIA PARA PROMOVER A AGÊNCIA DO HABITANTE NO QUE DIZ RESPEITO À CAMINHABILIDADE EM AMBIENTES SUBURBANOS: OS CASOS DE EYBENS, FRANÇA E BROSSARD, CANADÁ

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### ABSTRACT

This article presents the results of a methodological exploration aimed at promoting resident agency in relation to walking ambiances in the suburbs. This project is part of a thesis in urban planning which focuses on the walkability of these environments for a plurality of walkers. The thesis seeks, on the one hand, to understand what contributes to the walkability of suburbs in its morpho-functional and sensitive dimensions. It then explores the potential of creative approaches to promote resident agency in relation to the walkability of these environments. An ambiance-based approach is used from data collection to analysis and proves to be a powerful tool for mediating needs. The sensitive dimensions of the walking experience also appear to be predominant among the criteria of walkability in inhabitants' narratives. It is the interest of the methods used to bring out resident agency in relation to the ambiances of walking in the suburbs that this article proposes to discuss.

**KEYWORDS:** Walkability, Suburbs. Ambiances. Agency. Creative methods.

### RESUMO

Este artigo apresenta os resultados de uma exploração metodológica destinada a promover a agência dos residentes em relação aos ambientes de caminhada nos subúrbios. Este projeto faz parte de uma tese em planejamento urbano que foca na transitabilidade desses ambientes para uma pluralidade de caminhantes. A tese procura, por um lado, compreender o que contribui para a caminhabilidade dos subúrbios nas suas dimensões morfofuncionais e sensíveis. Em seguida, explora o potencial de abordagens criativas para promover a agência dos residentes em relação à transitabilidade desses ambientes. Uma abordagem baseada na ambiência é utilizada desde a recolha de dados até à análise e revela-se uma ferramenta poderosa para mediar necessidades. As dimensões sensíveis da experiência de caminhar também parecem ser predominantes entre os critérios de caminhabilidade nas narrativas dos moradores. É o interesse dos métodos utilizados para realçar a agência dos residentes em relação aos ambientes de caminhada nos subúrbios que este artigo se propõe discutir.

**PALAVRAS-CHAVE:** Caminhabilidade, Subúrbios. Ambientes. Agência. Métodos criativos.

## MULTISENSORY DESIGN AND CARING ARCHITECTURE : THE CASE OF VOLUME'S FEELINGS IN THE ORB PAVILION, FRANCE

## DESIGN MULTISSENSORIAL E ARQUITETURA DE CUIDADOS: O CASO DAS SENSAÇÕES DO VOLUME NO PAVILLON DE L'ORBE, FRANÇA

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### ABSTRACT

This article proposes the use of multisensory design as a tool for creating caring architecture. Drawing on the works of André Bruyère, a postmodern architect with a particular interest in designing architecture as a form of supportive care, we illustrate our argument with the first author's experience of the sense of volume in the Orb Pavilion. Designed by André Bruyère, the pavilion incorporates many multisensory features. The sense of volume allows one to perceive spatial and material variations, thresholds, and the proximity of surfaces by analyzing sound reflections. By grounding our reflections in the context of atmospheres, we suggest that Bruyère designed affective affordances that enable us to connect with the building. Finally, we hypothesize that the design of multisensory affective affordances could be a key element in creating caring architecture.

**KEYWORDS** : sense of volume. caring architecture. architectural atmospheres. multisensory design. sensitive experience.

### RESUMO

Este artigo propõe o uso do design multissensorial como uma ferramenta para criar uma arquitetura acolhedora. Com base nas obras de André Bruyère, um arquiteto pós-moderno com um interesse particular em projetar arquitetura como uma forma de cuidado de apoio, ilustramos nosso argumento com a experiência do primeiro autor sobre a sensação de volume no Pavilhão do Orbe. Projetado por André Bruyère, o pavilhão incorpora muitas características multissensoriais. A sensação de volume permite perceber variações espaciais e materiais, limiares e a proximidade de superfícies ao analisar as reflexões sonoras. Ao fundamentar nossas reflexões no contexto das atmosferas, sugerimos que Bruyère projetou affordances afetivas que nos permitem conectar com o edifício. Finalmente, hipotetizamos que o design de affordances afetivas multissensoriais pode ser um elemento chave na criação de uma arquitetura acolhedora.

**PALAVRAS** chave: sentido do volume. arquitetura cuidadosa. atmosferas arquitectónicas. conceção multissensorial. experiência sensível.

## FUTURE SOUNDSCAPES: PARTICIPATORY URBAN FUTURING THROUGH SOUND

## FUTURAS SOUNDSCAPES: FUTURO URBANO PARTICIPATIVO ATRAVÉS DO SOM

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### ABSTRACT

The arts in all forms attempt to portray complex relationships, reimagine the place of the human in natural relationships, and uncover future possibilities for human-nature interaction where humans live in, with, and as natural systems. While art and culture in the form of public spaces, art works, and parks are often a result of planning and urban development, they are much less often part of the planning and development process itself. This paper investigates the role of sound and music as a bridge between urban development, public engagement, and sound art to investigate a new form of collaborative future visioning that engages with nature and sustainability.

**KEYWORDS:** sustainability transitions. soundscapes. urban planning. art-science.

### RESUMO

As artes, sob todas as formas, tentam retratar relações complexas, reimaginar o lugar do humano nas relações naturais e descobrir possibilidades futuras para a interação humano-natureza onde os humanos vivem, com e como sistemas naturais. Embora a arte e a cultura, sob a forma de espaços públicos, obras de arte e parques, sejam frequentemente o resultado do planejamento e do desenvolvimento urbano, fazem muito menos frequentemente parte do próprio processo de planejamento e desenvolvimento. Este artigo investiga o papel do som e da música como ponte entre o desenvolvimento urbano, o envolvimento do público e a arte sonora para investigar uma nova forma de visão colaborativa do futuro que se envolve com a natureza e a sustentabilidade.

**PALAVRAS-CHAVE:** transições de sustentabilidade. paisagens sonoras. planejamento urbano. arte-ciência.

# L06

## AWAKENING URBAN TERRAIN THROUGH TRANSLATIONS ACROSS SENSORY ATMOSPHERES

**CHAIR** Rennie Tang

Sensory atmospheres in cities, invisible yet deeply palpable, have the potential to awaken urban terrains that may appear dormant, uninhabitable or abandoned. Through this awakening, the potential of the terrain unfolds to enable its future to be reimagined. Sensory atmospheres can be generated through interdisciplinary methodologies which focus on the creation of ambiance through movement and/or sound practices. However, the core challenge is that these non-visual methodologies typically do not produce visual artifacts that can be understood and processed by the urban, landscape and architectural disciplines. Are there strategies for translating from the non-visual to the visual, or are such translations even necessary? Can the language of design be expanded to allow for new modes of expression and representation that connect more directly to sensory atmospheres? These questions prompt us to consider how translations across disciplinary languages might help to bridge the gap between the ephemerality of ambiance and the physicality of the visual world. Through these translations the task of awakening urban terrain may be more effective than relying only on the visually dominated tools of urban, landscape and architectural design. The question of visual or physical dominance is reinforced by ambiance scholars concerned with attending to affective, experienced or lived spaces. According to Thibaud, it is necessary to “question how the notion of ambiance can help us to move the focus from physical space and from

the organisation of architectural and urban elements to what will be the affective or experienced space.” (2015, p. 10). The problem with the dominance of physical form in urban design is that it reduces the thickness of lived space to metrics (De Matteis, 2019, p. 2) devoid of sensory atmospheres. This issue is also brought forth in anthropologist Tim Ingold’s rejection of assemblages which he sees as a way of forcing things together, as would be the case when architectural objects impose themselves on urban terrain. In contrast to assemblages of objects, his theory of lines envisions a world made up of common threads- word, speech, song, story, handwriting, breathing, walking – that move together along lines and get entangled and become knotted but never close in on themselves, as do physical forms. (Ingold, 2015, p. 5) Ambiance arises out of this entanglement of lines that make up the sentient life of a particular place; it is not the physical objects themselves that generate ambiance but the lines which flow from them- not birds but their chirping sounds, not streets but the movement of vehicles, not high-rise buildings but their lines of authority, not flowers but their fragrance etc. Thus the creation of ambiance through sound and movement may operate as flowing lines along which identities and materialities move together in the co-creation of atmosphere. This session seeks to bring together interdisciplinary researchers working with urban terrains using methodologies that explore translations across sound, movement and design practices.



## PERFORMING SPATIAL ATMOSPHERES TO AWAKEN PLACES: THE CASE OF THE PROJECT SULLA SOGLIA IN PALERMO

## PERFORMAR ATMOSFERAS ESPACIAIS PARA DESPERTAR LUGARES: O CASO DO PROJETO SULLA SOGLIA EM PALERMO

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### ABSTRACT

A well-established part of urban studies denounces the constraints of traditional urban design, linked to an almost exclusive focus on the technical, functional and material aspects of space, as well as to the disconnection from the embodied and embedded experience of places, capable of capturing the invisible. However, such research struggles to lead to experimentation with different approaches to design and space in professional design practice.

Starting from these considerations, the paper presents Sulla Soglia, a program of participatory design and construction, developed by the Mare Memoria Viva Ecomuseum of Palermo, Italy, in an urban area perceived as inaccessible and dormant.

Creative and performative methods were experimented to analyse the spaces and express, perform and represent the project. The bodily experience of space was the common thread throughout the process, intended to explore both the visible and the invisible and to produce new atmospheres, related to the lived and affective experience of spaces.

**KEYWORDS:** Performative urbanism. Creative methods. Affective spaces. Designing bodies. Ephemerality.

### RESUMO

Uma parte consolidada dos estudos urbanos denuncia os limites do urbanismo tradicional, associados a um enfoque quase exclusivo aos aspectos técnicos, funcionais e materiais do espaço, bem como à desconexão com a experiência incorporada dos lugares, capaz de captar o invisível. Porém, estes estudos dificilmente conduzem à experimentação de diferentes abordagens ao projeto e ao espaço na prática profissional do design urbano.

A partir destas considerações, o artigo apresenta Sulla Soglia, um programa de desenho e construção participativos, desenvolvido pelo Ecomuseu Mare Memoria Viva de Palermo, na Itália, numa área urbana considerada inacessível e adormecida.

Foram experimentados métodos criativos e performáticos para analisar os espaços e expressar, realizar e representar o projeto. A experiência corporal do espaço foi o fio condutor de todo o processo, com o objetivo de explorar tanto o visível como o invisível e de produzir novas atmosferas, relacionadas com a experiência vivida e afetiva dos espaços.

**PALAVRAS-CHAVE:** Urbanismo performativo. Métodos criativos. Espaços afectivos. Corprojectar. Efémero.

## SONIC DRIFT CDA: PERFORMANCE OF AN AI-BASED SONIC GEOGRAPHIC DÉRIVE

## SONIC DRIFT CDA: DESEMPENHO DE UM DÉRIVE SÓNIC GEOGRÁFICO BASEADO EM IA

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### ABSTRACT

Our project, conceptualized as an Arts Driven Experiment (ADE), engages in a critical study of the complex relationship between sonic spatial shifts and the evolving configuration of an urban landscape and environment in transformation. By rethinking the acoustic horizon in terms of flatline constructs, we aim to address sonic spatial shifts by focusing on instances of disruption in the behavior of alluring sonic figurations as they traverse dynamic urban spaces. A sonic cartography is constructed through the performance of an AI-based sonic-geographic dérive. The project is situated in the northern part of Chaussée d'Anvers (CDA), Brussels, with the objective of providing information on the transformative potential of a sonic affective approach for the redevelopment of the Brussels Territory North.

**KEYWORDS:** urban regeneration. sonic space shift. dérive. artificial intelligence. sonic cartography. urban planning.

### RESUMO

O nosso projeto, conceptualizado como uma Experiência Conduzida pelas Artes (ADE), envolve-se num estudo crítico da relação complexa entre as mudanças espaciais sónicas e a configuração em evolução de uma paisagem urbana e ambiente em transformação. Ao repensar o horizonte acústico em termos de construções de linha plana, pretendemos abordar as mudanças espaciais sónicas, concentrando-nos em instâncias de perturbação no comportamento de figuras sónicas sedutoras à medida que atravessam espaços urbanos dinâmicos. Uma cartografia sónica é construída através da performance de um dérive sónico-geográfico baseado em IA. O projeto situa-se na parte norte da Chaussée d'Anvers (CDA), em Bruxelas, com o objetivo de fornecer informações sobre o potencial transformador de uma abordagem afectiva sónica para a requalificação do Território Norte de Bruxelas.

**PALAVRAS-CHAVE:** regeneração urbana. deslocamento espacial sónico, derive, inteligência artificial, cartografia sonora, planeamento urbano.

## FILM ANIMATION AS HAPTIC LANGUAGE OF THE ATMOSPHERIC CITY: MORE THAN FLOWING LINES

## FILME DE ANIMAÇÃO COMO LINGUAGEM HÁPTICA DA CIDADE ATMOSFÉRICA: MAIS DO QUE LINHAS FLUÍDAS

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### **ABSTRACT**

Atmosphere, being essential, in what makes a space a place, yet elusive in its translation into graphic form, has been the object of conquest for architects in their effort to convey it and produce it. New visualization technologies have allowed for a detachment from the mere physical by communicating dematerialized sensory experiences that approximate the idea of atmosphere, presumably more accurately than ever before, including its all-important non-visual aspects. The paper proposes that atmosphere may not be the sum of ideated concepts and aesthetics that are merely non-visual, but something directly emanating from the physical, as that is experienced (even touched) and remembered individually and collectively. Handmade film animation, straddling between the physical and the virtual, tampering with materiality through the body, while still producing sensations of movement, narratives, and a multitude of optical illusions, becomes a leading translator of atmosphere into image, accessible to the human consciousness and imagination.

**KEYWORDS:** film animation. haptic. handmade design. city atmosphere. translating atmosphere.

### **RESUMO**

A atmosfera, sendo essencial para transformar um espaço num lugar, mas difícil de traduzir graficamente, tem sido objeto de conquista para arquitetos no seu esforço de transmiti-la e produzi-la. Novas tecnologias de visualização permitiram um distanciamento do meramente físico, comunicando experiências sensoriais desmaterializadas que se aproximam da ideia de atmosfera, presumivelmente com mais precisão do que nunca, incluindo os seus importantes aspetos não-visuais. O artigo propõe que a atmosfera pode não ser apenas a soma de conceitos idealizados e estéticas que são meramente não-visuais, mas algo que emana diretamente do físico, tal como é experienciado (até tocado) e lembrado individual e coletivamente. O filme de animação feito à mão, oscilando entre o físico e o virtual, manipulando a materialidade através do corpo, ao mesmo tempo que produz sensações de movimento, narrativas e uma multiplicidade de ilusões óticas, torna-se um tradutor líder da atmosfera em imagem, acessível à consciência e imaginação humanas.

**PALAVRAS-CHAVE:** filme de animação, háptico, design artesanal, atmosfera urbana, tradução da atmosfera.



# L07

## ECOLOGICAL MICRO-URBANITIES

**CHAIR** Isabel Barbas

“A reading capable of transgressing the barriers of disciplines is essential to open the city to plural visions and capture the complexity of its continuous reconstitution and the permanent flow of its change.” (Cities and Urbanities, Fortuna, 2020: 143)

Since the 60s of the 20th century, ecological values and the relationship with the environment have become a topic of debate in the public space of cities. The society mediated by the spectacle (Society of the Spectacle, Debord, 1972) and the consumer culture and global market associated with new technologies contributed to the development of a state of alienation of individuals (Liquid Modernity, Bauman, 2000; Burnout Society, Byung-Chul Han, 2010) that compromises a healthy and creative – ecological – interaction with ‘others’ and the space they inhabit.

Since the modern project, the city has been subjugated to the rules of capital, stratification, zoning, and road circulation, becoming polluted, inflexible, lacking in convivial and ‘mixing’ spaces. The contemporary city is a city of ‘limits’; ‘unequal’; “closed” and “secure” (The open city, Sennett, 2006; Trust and fear in the city, Bauman, 2005) in which it is difficult to interact, explore, ‘play’, walk, or simply be/contemplate.

The impoverishment of the socio-spatial potential of the urban environment has been contested and criticized by practices and theories from different disciplinary fields, namely the arts (situationism, architecture, documentary art, environmental art, land art and installation), architecture and urbanism (Team X; radical architecture; (...) flexible and action architecture, J. Maria Montaner, 2017; Integral Urbanism, Nan Elin, 2006) and urban sociology (The Right to the City, Lefebvre, 1968); and currently through the intersections that these areas establish among themselves in order to construct interdisciplinary narratives that are expressed through interventions in public space. Installations, objects, actions, atmospheres, performances, etc., that promote a broader and shared reflection with “urbanites” (Sennett), the inhabitants who construct urbanity through the (inter)

actions they establish daily in, and with, the space of the polis. Therefore, we seek, in this session, to find and stimulate reflections on how architects, artists, sociologists and others can intervene in the public space of the contemporary city in order to counteract cultural accelerationism that alienates the individual in the space of the global city and digital society. How can we contribute to give back the city to its inhabitants by stimulating critical interactions, awakening the creative and collaborative potential of individuals? How can certain actions, installations or interventions in public space contribute to creating "(micro)territorialities" that connect spaces, discourses, and social uses (Cities and Urbanities, Fortuna, 2020), that encourage the (re)construction of ecological micro-urbanities, that is, that reinvent or recover, in the light of new environmental and socio-spatial problems, balances between "urbanites" and the urban environment they inhabit.

## NEGOTIATING SENSE OF DOMESTICITY IN HYPER-TOURISTY VERNACULAR URBANITIES: EXTROVERTING DOMESTIC INTERVENTIONS AS TACTICAL ECOLOGY IN CANTON SHOPHOUSE HABITATIONS

## NEGOCIANDO O SENTIDO DE DOMESTICIDADE EM URBANIDADES VERNACULARES HIPER-TURÍSTICAS: EXTROVERTENDO INTERVENÇÕES DOMÉSTICAS COMO ECOLOGIA TÁTICA EM HABITAÇÕES DE SHOPHOUSES EM CANTÃO

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### ABSTRACT

Shophouses, originating in Canton (Guangdong) since 960 AD, constitute intensifying urban hybridity that integrates commerce-domestic experiences. Employing empirical findings (photography, videos, and ambiance narratives) in Chaozhou, an eastern Canton province in China, vernacular shophouse neighbourhoods undergo hyper-touristy invasion. This necessitates tactical responses by inhabitants to (re)negotiate sense of domesticity as temporal experiences of urban life, results in ceaseless liminal conditions of externalising domestic habits that (re)scripts urban-domestic experiences between the residents and tourists. To unfold the multi-layered habitual negotiations as an emergence of tactical ecology that (re)scripts new modes of hyper-touristy vernacular urbanities, this studies first explicates how residents tactically (re)invent shophouse interior-exterior limits. Termed as an act of extroverting domestic interventions, this paper highlights creative tactics as (re)cultivating force that challenges the modernist confined and introverted domestic norms. Ultimately, discussing the potential artistic and spatial values of transcend and install a sense of domesticity in Canton shophouse habitations.

**KEYWORDS:** Public Private Negotiation. Domestic Tactics. Shophouse Hybridity. Vernacular Urbanities. Hyper-touristy.

### RESUMO

As shophouses, originárias de Cantão (Guangdong) desde 960 d.C., constituem uma intensificação da hibridez urbana que integra experiências comerciais e domésticas. Empregando descobertas empíricas (fotografia, vídeos e narrativas de ambiente) em Chaozhou, uma província oriental de Cantão na China, os bairros de shophouses vernaculares sofrem invasões hiper-turísticas. Isso exige respostas táticas dos habitantes para (re)negociar o sentido de domesticidade como experiências temporais da vida urbana, resultando em condições liminares incessantes de externalização de hábitos domésticos que (re)escrevem as experiências urbano-domésticas entre os residentes e os turistas. Para desvendar as negociações habituais multilayered como uma emergência de ecologia tática que (re)escreve novos modos de urbanidades vernaculares hiper-turísticas, este estudo primeiro explica como os residentes taticamente (re)inventam os limites interior-exterior das shophouses. Denominado como um ato de extroversão das

intervenções domésticas, este artigo destaca táticas criativas como uma força (re)cultivadora que desafia as normas domésticas modernistas confinadas e introvertidas. Em última análise, discute os potenciais valores artísticos e espaciais de transcender e instalar um sentido de domesticidade nas habitações de shophouses em Cantão.

**PALAVRAS-CHAVE:** Negociação Público-Privada. Táticas Domésticas. Hibridismo de Shophouses. Urbanidades Vernaculares. Hiper-Turístico.



## DISPLACED MATTER AND THE AMBIANCE OF A FLOODED CITY

### MATÉRIA DESLOCADA E O AMBIENTE DE UMA CIDADE UNADANDA

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#### ABSTRACT

Sensory atmospheres in cities have sometimes the potential to stimulate an attunement with the dynamic processes of natural systems. That was the case with the aftermath of the tropical storm that hit the city of Volos in Greece in September 2023. What was left after the waters receded was an extensive layer of debris and mud, bringing about a visual disorder along with a disruption of movement and accessibility. Streets covered with the nature's sediment was not simply something discomforting or nasty. Mud was also perceived as an 'abject' substance, with a repellent materiality attracting all the subliminal anxieties connected with the earth substratum. To better grasp the significance of the flood's ephemeral transformations we correlate them with large indoor art interventions characterized by the invasion of the "dirty" matter of the earth in closed exhibition spaces. Works of various artists perform a transgressing displacement to the concealed territory of the earth and its chthonic materiality.

**KEYWORDS:** urban ambiance. flood. mud. art installation. materiality

#### RESUMO

As atmosferas sensoriais nas cidades têm, por vezes, o potencial de estimular uma sintonia com os processos dinâmicos dos sistemas naturais. Foi o caso das consequências da tempestade tropical que atingiu a cidade de Volos, na Grécia, em setembro de 2023. O que restou depois que as águas baixaram foi uma extensa camada de detritos e lama, provocando um distúrbio visual juntamente com uma interrupção de movimento e acessibilidade. Ruas cobertas com sedimentos da natureza não era simplesmente algo desconfortável ou desagradável. A lama também era percebida como uma substância "abjeta", com uma materialidade repelente atraindo todas as ansiedades subliminares ligadas ao substrato terrestre. Para melhor compreender o significado das transformações efêmeras do dilúvio, correlacionamo-las com grandes intervenções internas caracterizadas pela invasão da matéria "suja" da terra em espaços fechados de exposição. Obras de vários artistas realizam um deslocamento transgressor para o território oculto da terra e sua materialidade ctônica.

**PALAVRAS-CHAVE:** ambiente urbano. inundaçãõ. lama. instalação artística. materialidade

## LEARNING FROM THE PRESENCE OF YOUNG CHILDREN IN URBAN PUBLIC SPACES

## APRENDENDO COM A PRESENÇA DE CRIANÇAS PEQUENAS NOS ESPAÇOS PÚBLICOS URBANOS

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### ABSTRACT

In recent times, several studies have been conducted on children's urban experiences. These studies predominantly reveal a decline of their presence in public spaces, alongside with a rise in the adoption of 'child-friendly' design. In this article, I focus on the presence of children within everyday public spaces. I interrogate what insights young children can offer urban designers. Through immersive filming methods with children aged 2 to 6, I outline a repertoire of presence. In this text, I delineate the concept of "opportunistic presence." This prompts reflection on children's ability to thrive independently of designers, thereby contributing to the (re)enchantment of the cityscape.

**KEYWORDS:** children's studies. public spaces. ambiances. urban planner. subversion.

### RESUMO

Em tempos recentes, várias pesquisas têm sido realizados sobre as experiências urbanas das crianças. Esta pesquisa revelam predominantemente uma diminuição de sua presença em espaços públicos urbanos, ao lado de um aumento na adoção de design 'amigo da criança'. Neste artigo, foco na presença de crianças dentro de espaços públicos cotidianos. Pergunto-me o que é que as crianças pequenas podem trazer aos designers urbanos. Através de métodos de filmagem imersiva com crianças de 2 a 6 anos, esboço um repertório de presença. Neste artigo, delinheiro o conceito de "presença oportunística". Isso provoca reflexão sobre a capacidade das crianças de prosperar independentemente dos designers, contribuindo assim para o (re)encantamento da paisagem urbana.

**PALAVRAS chave:** pesquisa sobre crianças. espaços públicos. ambientes. planejador urbano. subversão.

## I, CATALPA BIGNONIOIDES NARRATIVES OF THE NON-HUMAN AS AMBIENT PLACEMAKING TOOLS FOR A BIODIVERSE URBAN HABITATEU, CATALPA BIGNONIOIDES

### NARRATIVAS DO NÃO-HUMANO COMO FERRAMENTAS AMBIENTAIS DE CRIAÇÃO DE LUGARES PARA UM HABITAT URBANO BIODIVERSO

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#### **ABSTRACT**

Focusing upon the city's leafy infrastructure, this paper investigates the civic acknowledgement of non-human agency in urban ecosystems. Caring for city trees is discussed as an ambient placemaking tool for biodiverse urban habitats. The concept of urban komorebi is introduced to describe the ambience of urban foliage. The paper exemplifies cases of performative urban actions at the threshold of art, urban acupuncture and political ecology as demonstrations of activating citizen awareness for the non-human and cultivating the empathetic inter-species symbiosis as new civic ethos.

**KEYWORDS:** leafy infrastructure. parliament of things. performative urban actions. citizen participation. tree hugging.

#### **RESUMO**

Centrando-se na infra-estrutura frondosa da cidade, este artigo investiga o reconhecimento cívico da agência não-humana nos ecossistemas urbanos. O conceito de Komorebi urbano é introduzido para descrever o ambiente das ruelas arborizadas da cidade. Cuidar das árvores da cidade é discutido como uma ferramenta de criação de lugares ambientais e como uma condição necessária para habitats urbanos biodiversos. O artigo exemplifica casos de ações urbanas performativas no limiar da arte, da acupuntura urbana e da ecologia política como demonstrações de ativação da consciência cidadã para o não-humano e do cultivo da simbiose empática interespecies como novo ethos cívico.

**PALAVRAS-CHAVE:** infraestrutura frondosa. parlamento das coisas. ações urbanas performativas. participação dos cidadãos. abraço de árvore.



## L09

## FICTION AS RESEARCH

**CHAIRS**    Laurent Devisme  
                   Laurent Matthey  
                   Nicolas Tixier

The interest in using narrative to fabricate space has given rise to a number of works, but the question of fictional narrative in this context has been addressed less frequently. Undoubtedly this is because narrative has been used to collect information about a given place, to translate planning issues into a language comprehensible to all, and to democratise debates by opening them up to non-technical rhetorical styles. Narrative is, first and foremost, a testimony, an explanation by other means, the true word.

And yet, the places where we live, the urban materialities we experience, the ambiances that emerge at any given place and time, and the urban realities that generate our practices are both products and producers of fiction. In the wake of works on biographical illusion and critical thinking on literary or autobiographical auto-fiction, an emerging series of presumptions could lead us to think that we too are characters or fictional beings, whether as users of space, experts in urban design, or scholars of ambiances and urban situations.

Based on this premise, this session of the 5th International Congress on Ambiances wishes to address the research conducted on ambiances and urban situations through the prism of fiction in the following three ways:

Fiction as a means of inquiry. This involves cultural and artistic productions that can be used in research on ambiances. Literature, film, graphic novels, video games are specific vectors that have also become trusted sources for urban research. What do these fictions tell us about ambiances? How does their status differ from other sources that scholars use? Are fictions testimonies like any other? Do they provide access to some sort of archive of representations of urban ambiances? At another level, are they a way of approaching the dimensions of the urban experience that exceed the situations we usually enunciate, like the perfumer in Patrick Süskind's *Perfume*, whose sensitive nose grants us access to urban ambiances that we do not detect in our ordinary practices?

Fiction as an analytical matrix. From the counterfactual narratives used in the new economic history to the methodological fictions set forth by Jablonka, fiction has been deployed to test hypothetical interpretations and subject analyses to verification. But these methodological fictions can also serve to explore possible worlds that could come about if the data were this or that. In such cases,

fiction helps “model” reality to envision futures, thereby contributing to renewed exercises in entertaining prospects and thinking seriously about history as a field of possibilities. Will such efforts reflect how these analytical modes can be activated in research into ambiances or design practices? Fiction as a mode of existence. Fiction also allows research to exist in a different way from the canonical regimes of scholarly writing. This is less a question of dwelling on the similarities between research and fiction, a comparative poetics of scholarly and fictional writing, than of looking at experiments in fictionalizing the products of research that have sought to make us experience the sensorial aspects of their investigations, to translate the ambiances of situations that have been studied and designed, and to feed our urban and geographical imaginations.

Whatever the path taken, we are looking for contributions that consider ambiances and urban situations on the basis of explicit disciplines while nevertheless remaining open to others, whether in the humanities (e.g. the subgenre of climate fiction), the arts, or the social sciences (such as the history of possibilities or retro-prospective studies, among others).

## OBSESSION FOR INTIMACY, AVERSION TO PROMISCUITY: AN INVESTIGATION OF THE VISUAL REPRESENTATION OF PRIVACY IN "THE KISS" (1980)

## OBSESSÃO PELA INTIMIDADE, AVERSÃO À PROMISCUIDADE: UMA INVESTIGAÇÃO DA REPRESENTAÇÃO VISUAL DE PRIVACIDADE EM "O BEIJO NO ASFALTO" (1980)

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### ABSTRACT

Within the vast panorama of Brazilian theater, few names resonate as powerfully as that of Nelson Rodrigues. This paper proposes to delve into "O beijo no asfalto" (1960), a play by Nelson Rodrigues later adapted into the homonymous film by Bruno Barreto (1980) – specifically the difference in spatial setting of the final scene in the two works. The research aims to understand the spatial micropolitics of promiscuity and its relationship to the organization of the intimate family territory based on Rolnik's theoretical framework. In contrast to Rolnik, the bibliographic review proposed here elucidates the methodological exercise of analyzing Rodrigues' characters based on Richard Sennet's notions of "public man" and "private man" in his seminal work "The Decline of the Public Man: The Tyrannies of Intimacy" (1977). The intersection of fictional narrative studies with environmental studies brings to light the conclusion that fiction is a broad field for understanding the public-private sphere of urban existence.

**KEYWORDS:** Public space; Family territory; Privacy; Promiscuity; Brazilian theater

### RESUMO

No vasto panorama do teatro brasileiro, poucos nomes ressoam tão vigorosamente quanto o de Nelson Rodrigues. O presente trabalho propõe se debruçar sobre "O beijo no asfalto" (1960), dramaturgia de Nelson Rodrigues posteriormente adaptada para o cinema de forma homônima por Bruno Barreto (1980) – em especial a diferença de ambientação espacial da cena final nas duas obras. O objetivo da pesquisa é compreender a micropolítica espacial da promiscuidade e sua relação com a organização do território familiar íntimo a partir do referencial teórico de Rolnik. Em constraste à Rolnik, a revisão bibliográfica aqui proposta elucida o exercício metodológico de analisar os personagens de Rodrigues às noções de "homem público" e "homem privado" de Richard Sennet em sua obra seminal "O declínio do homem público: as tiranias da intimidade" (1977). O entrecruzamento dos estudos de narrativas ficcionais com os estudos de ambiência traz à evidência a conclusão de que a ficção é campo largo para uma compreensão da esfera público-privada do existir urbano.

**PALAVRAS-CHAVE:** Espaço público; Território familiar; Privacidade; Promiscuidade; Teatro brasileiro

## DESCRIBING A WORLD THROUGH A ROOM – UTOPIAN VISIONS ON THE SMALL SCALE

## DESCREVER UM MUNDO ATRAVÉS DE UMA SALA – VISÕES UTÓPICAS EM PEQUENA ESCALA

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### ABSTRACT

Utopian works mostly aim to depict entire new worlds and societies, often gearing their descriptions on the more functional and programmatic aspects of space. However, with the changes which occur in the utopian genre in the 20th century, a more narrative and character-based approach is developed which also begins to consider and expand upon the daily lives of specific utopian individuals. This change has allowed the readers to immerse themselves deeper into the utopian imaginaries, by providing a more relatable lived experience through the depictions on the small scale. This paper examines three pairs of case studies, namely Ebenezer Howard's To-Morrow: A Peaceful Path to Real Reform, H.G. Wells' The Time Machine, Ludwig Hilberseimer's Metropolisarchitecture, Yevgeny Zamyatin's We, Superstudio's 12 Ideal Cities and Ursula K. Le Guin's The Dispossessed. But instead of focusing on the totality of the imagined worlds – the large scale - it will focus on the small scale, showing how the rooms and homes of the various utopian inhabitants were imagined and depicted, and consequently, how these depictions helped build up more immersive and vibrant utopian narratives.

**KEYWORDS:** utopian fiction. Describing ambients. Architectural imagination. Comparative analysis.

### RESUMO

As obras utópicas visam principalmente retratar mundos e sociedades totalmente novos, orientando muitas vezes as suas descrições para os aspetos mais funcionais e programáticos do espaço. No entanto, com as mudanças que ocorrem no género utópico no século XX, desenvolve-se uma abordagem mais narrativa e baseada em personagens, que também começa a considerar e a expandir a vida quotidiana de indivíduos utópicos específicos. Esta mudança permitiu aos leitores mergulhar mais profundamente nos imaginários utópicos, proporcionando uma experiência vivida mais relacionável através das representações em pequena escala. Este artigo examina três pares de estudos de caso, nomeadamente To-Morrow: A Peaceful Path to Real Reform de Ebenezer Howard, The Time Machine de H.G. Wells, Metropolisarchitecture de Ludwig Hilberseimer, We, de Yevgeny Zamyatin, 12 Ideal Cities de Superstudio e The Dispossessed de Ursula K. Le Guin. Mas em vez de se focar na totalidade dos mundos imaginados – a grande escala – irá focar-se na pequena escala, mostrando como os quartos e as casas dos vários habitantes utópicos foram imaginados e representados e, consequentemente, como estas representações ajudaram a construir narrativas utópicas mais imersivas e vibrantes.

**PALAVRAS-CHAVE:** ficção utópica. Descrever ambientes. Imaginação arquitectónica. Análise comparativa.



## MULTIMODAL STORYTELLING AS KNOWLEDGE-MAKING IN A MUSEUM ENVIRONMENT

### NARRAÇÃO MULTIMODAL DE HISTÓRIAS COMO PRODUÇÃO DE CONHECIMENTO NUM AMBIENTE DE MUSEU

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#### **ABSTRACT**

Museums have a way of telling a story that appeals to all the senses. This makes their practices processual, and sensitive to living cultural heritage. In this presentation, fiction is understood as storytelling through artistic and imaginative methods, and is linked to the premise of fiction as a way of being. The presentation is part of a wider study of experiential or so-called tacit knowledge, which is difficult to verbalize and conceptualize from the perspective of aesthetics and sensory research. Multimodal storytelling as a method can test different hypotheses and raise questions about the nature of knowledge making, activating the analytical possibilities of fictional and imaginative thinking. The research question posed is: How can ambient and affective experiences influence and contribute to an understanding of cultural change in a temporally diverse urban environment? This question will be explored through a case study of the artwork "A Knot in Time".

**KEYWORDS:** experience. affective knowledge. experiential publishing. intangible cultural heritage. museum.

#### **RESUMO**

Os museus têm uma forma de contar uma história que apela a todos os sentidos. Isto torna a sua abordagem sensível ao património cultural vivo. Nesta apresentação, a ficção é entendida como a narração de histórias através de métodos artísticos e imaginativos, e está ligada à premissa da ficção como uma forma de estar. O estudo faz parte de uma exploração do chamado conhecimento tácito, que é difícil de verbalizar e concetualizar, na perspetiva da estética e da investigação sensorial. A narração multimodal de histórias como método pode testar diferentes hipóteses e levantar questões sobre a natureza da produção de conhecimento, activando as possibilidades analíticas do pensamento ficcional e imaginativo. A questão de investigação é: como podem as experiências ambientais e afectivas influenciar e contribuir para a compreensão da mudança cultural num ambiente urbano temporalmente diverso? Esta questão será explorada através de um estudo de caso de uma obra de arte.

**PALAVRAS-CHAVE:** experiência estética. conhecimento afetivo. publicação experiencial. património cultural imaterial. museu.

## PLOTTING FOR CARE: A DESIGN EXERCISE ON PRESENTNESS IN ARCHITECTURE EDUCATION

### TRAMANDO PARA O CUIDADO: UM EXERCÍCIO DE DESIGN SOBRE PRESENÇA NA EDUCAÇÃO DE ARQUITETURA

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#### **ABSTRACT**

This paper inherits a Ricœurian conceptualization of narratives as a matter of crossing space and time and narration as a configurative process. This study proposes examining narrative as a tool for exploring existence and experience across space and time. To this end, it presents Plotting Presentness as a design exercise to explore how the act of narration can be effectively employed within architecture education. The exercise revolves around two concepts: presentness and muthos (plotting). The sense of presentness is an impulse to focus on the immediate moment, recognizing its inherent potential. Muthos is referred to as an operation, the organization of events. The study seeks to understand the implications of conceiving architectural research as a re-configuration of events in space-time. To do that, this paper discusses an assignment given to a graduate design studio, Plotting for Care, as an application of the mentioned design exercise in architecture education.

**KEYWORDS:** muthos. plotting. narration. presentness. architecture education.

#### **RESUMO**

Este artigo herda uma conceitualização ricoeuriana das narrativas como uma questão de cruzar espaço e tempo e a narração como um processo configurativo. Este estudo propõe examinar a narrativa como uma ferramenta para explorar a existência e a experiência através do espaço e do tempo. Para tanto, apresenta Plotting Presentness como um exercício de design para explorar como o ato de narração pode ser efetivamente empregado na educação arquitetônica. O exercício gira em torno de dois conceitos: presentness e muthos (trama). O senso de presentness é um impulso para focar no momento imediato, reconhecendo seu potencial inerente. Muthos é referido como uma operação, a organização de eventos. O estudo busca entender as implicações de conceber a pesquisa arquitetônica como uma reconfiguração de eventos no espaço-tempo. Para isso, este artigo discute uma tarefa dada a um estúdio de design de pós-graduação, Plotting for Care, como uma aplicação do exercício de design mencionado na educação arquitetônica.

**PALAVRAS-CHAVE:** muthos. trama. narração. presença. cuidado. educação arquitetônica

## JUNGLE IMAGINARIES: ATMOSPHERIC ENCOUNTERS BETWEEN MAGICAL REALISM AND OTHER PLURIVERSAL FABULATIONS

### IMAGINÁRIO DA SELVA: ENCONTROS ATMOSFÉRICOS ENTRE O REALISMO MÁGICO E OUTRAS FABULAÇÕES PLURIVERSAIS

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#### **ABSTRACT**

The 'jungle imaginary >real' is a fictional form of decolonial writing milieus and ambiances that emerges from immersive and submersive readings of (postcolonial) Latin American literary production from the second half of the twentieth century onwards, spanning together 'lo real maravilloso' and magical realism. It experiments with narrative modes and storytelling techniques that decenter epistemes and academicist gestures, exploring the affective potentials of worldly description and bodily somaesthetic transmission of an atmospheric attunement that opens up towards an 'extraordinary real': the transition to pluriversal chronicles, perspectivisms, and accounts of a world of many worlds.

**KEYWORDS:** magical realism. 'lo real maravilloso'. speculative fiction. fabulation. atmospherics. ambiances.

#### **RESUMO**

O 'real imaginário da selva' é uma forma ficcional de ambientes e ambientes de escrita decolonial que emerge de leituras imersivas e submersas da produção literária (pós-colonial) latino-americana da segunda metade do século XX em diante, abrangendo "lo real maravilloso" e mágico realismo. Experimenta modos narrativos e técnicas de contar histórias que descentralizam epistemes e gestos academicistas, explorando os potenciais afetivos da descrição mundana e da transmissão somaestética corporal de uma sintonia atmosférica que se abre para um 'real extraordinário': a transição para crônicas e relatos pluriversais de um mundo de muitos mundos.

**PALAVRAS-CHAVE:** realismo mágico. isso é realmente maravilhoso. ficção especulativa. fabulação. atmosféricos. ambientes.

## WRITING AS ARCHITECTURAL REPRESENTATION: A FICTIONAL ESSAY OF THE WORK LA TALLERA

## ESCRITA COMO REPRESENTAÇÃO ARQUITETÔNICA: UM ENSAIO FICCIONAL DA OBRA LA TALLERA

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### **ABSTRACT**

This article derives from ongoing master's research that investigates writing as representation in architectural analysis. With a methodological basis in musical analysis (Oukawa, 2019), the analytical practice of architecture results in an illustrated text, in the form of an essay (Larrosa, 2003). The reconstitution of the experience of the analyzed work occurs through direct experience or through representations. The present study proposes to expand the possibilities of writing in architectural analysis through fiction (Saer, 2022), based on an analytical journey of La Tallera, an intervention project by Frida Escobedo in Cuernavaca, Mexico, carried out in 2010. Fiction acts as an artifice for deepening a writing that, ultimately, attempts to make aspects not reached by (another) analysis evident. Thus, it operates by enabling a detachment from the concreteness of a physical and temporal distance from the work, mediated by walks through Google Maps, on different dates.

**KEYWORDS:** essay. fiction. architectural analysis. La Tallera.

### **RESUMO**

Este artigo deriva de uma pesquisa de mestrado em andamento que investiga a escrita como representação na análise arquitetônica. Com base metodológica na análise musical (Oukawa, 2019), a prática analítica de arquitetura resulta num texto ilustrado, na forma de ensaio (Larrosa, 2003). A reconstituição da experiência da obra analisada dá-se pela experiência direta ou por meio de representações. O presente estudo propõe expandir as possibilidades da escrita na análise arquitetônica por meio da ficção (Saer, 2022), a partir de um percurso analítico de La Tallera, projeto de intervenção de Frida Escobedo em Cuernavaca, México, realizado em 2010. A ficção atua como um artifício de aprofundamento de uma escrita que, no limite, intenta tornar evidentes aspectos não alcançados por uma (outra) análise. Assim, opera viabilizando um desprendimento em relação à concretude de uma distância física e temporal da obra, mediada por passeios através do Google Maps, em datas diversas.

**PALAVRAS-CHAVE:** ensaio. ficção. análise arquitetônica. La Tallera.

## FROZEN DREAMS: LUMINOUS VOICES IN THE NIGHT

## SONHOS GELADOS: VOZES LUZENTES NA NOITE

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### **ABSTRACT**

Frozen Dreams, Luminous Voices in the Night is the first chapter of a work-in-progress, ambience-specific, audio-visual installation. In a dark and silent space, voices, diffused by portable loudspeakers anchored to colourful flashing balloons, narrate their dreams: inner memories reactivated when heard. The project is inspired by Les Paroles Gelées (The Frozen Words), a section of the fourth book (1552) of François Rabelais's Gargantua et Pantagruel, which narrates that at the edge of the frozen sea, in winter, there was a great and bloody battle. The shouts, the cries, the slashing, the clashing, the neighing and all the other frightful noises became frozen in the air. When the rigours of winter have passed, the serenity and temper of the good old days come to the fore, and so they melt and are heard. Thawing Dreams is the second chapter within which the voices counterpoint the sounds of water and thawing ice.

**KEYWORDS:** Fragility. Art. Resonance. Aura. Reactivation.

### **RESUMO**

Frozen Dreams, Luminous Voices in the Night é o primeiro capítulo de uma instalação audio-visual (ambience-specific) de work-in-progress. Num espaço escuro e silencioso, várias vozes, difundidas por altifalantes portáteis que ancoram balões luminosos coloridos, narram os seus sonhos. Sonhos estes de memórias interiores reativadas pela escuta. O projeto é inspirado por Les Paroles Gelées (As Palavras Congeladas), uma secção do quarto livro (1552) de Gargantua et Pantagruel, de François Rabelais, que narra que à beira do mar gelado, no inverno, houve uma grande e sangrenta batalha. Os gritos, os berros, os golpes, os choques, os relinchos e todos os outros ruídos assustadores ficaram congelados no ar. Quando o rigor do inverno passa, a serenidade e o temperamento dos "bons velhos tempos" vêm ao de cima, derretendo-se e fazendo-se ouvir. Thawing Dreams é o segundo capítulo em que as vozes fazem contraponto com os sons da água e do gelo descongelado.

**PALAVRAS** chave: Fragilidade. Arte. Ressonância. Aura. Reativação

## THE PASSION ACCORDING TO G.H.: THE NECESSARY ABJECT

### A PAIXÃO SEGUNDO G.H.: O ABJETO NECESSÁRIO

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#### **ABSTRACT**

This work examines how the novel, "The Passion According to G.H." (1964) by the writer Clarice Lispector instigates us to experience a reversal of pre-established social positions. The book is structured from the monologue that ends in the maid's room, where the narrator confronts a cockroach. The estrangement of space and the confrontation of fear are shared with the spectator who is called to participate. The fictional narrative becomes a means of investigating this domestic space, which remains in Brazilian modern architecture as a remnant, as an unconscious social dimension. By placing the maid's room in a prominent position, Lispector's text subverts the circumstantial unimportance given by the modern narrative still reproduced and implicates the social structure as a whole, revealing sensitive and environmental aspects of Brazilian women's lives.

**KEYWORDS:** modern architecture. novel. patriarchal. enslavement. female. environmental art

#### **RESUMO**

Este trabalho examina como o romance, "A paixão segundo G.H." (1964) da escritora de Clarice Lispector nos instiga a experimentar uma reversão de posições sociais pré-estabelecidas. O livro se estrutura a partir do monólogo que se encerra no quarto da empregada, onde a narradora confronta-se com uma barata. O estranhamento do espaço e o enfrentamento do medo são compartilhados com o espectador que é chamado a participar. A narrativa ficcional se torna um meio de investigação desse espaço doméstico, que permanece na arquitetura moderna brasileira na condição de resto, como uma dimensão social inconsciente. Ao colocar o quarto de empregada em posição de destaque, o texto de Lispector subverte a desimportância circunstancial dada pela narrativa moderna ainda reproduzida e implica a estrutura social como um todo, revelando aspectos sensíveis e ambientais da vida das mulheres brasileiras.

**PALAVRAS-CHAVE:** arquitetura moderna. romance. patriarcal. escravagista. feminino. arte ambiental.

## BEYOND IMAGINATION: DESIGNING ARCHITECTURAL ATMOSPHERES IN THE AGE OF ARTIFICIAL INTELLIGENCE

## ALÉM DA IMAGINAÇÃO: PROJETANDO ATMOSFERAS ARQUITETÔNICAS NA ERA DA INTELIGÊNCIA ARTIFICIAL

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### ABSTRACT

In an era marked by rapid technological advancements, the intersection of artificial intelligence (AI) and architecture presents unprecedented opportunities for the design of architectural atmospheres. This paper explores this interplay and presents a possible theoretical framework derived from the proposition of fictional narrative as an investigative method for designing of architectural atmospheres through artificial intelligence technology. The hypothesis understands space, perception, and experience and informs the design process in the light of hermeneutic philosophies of architecture. The reflection upon the poetical and critical tasks of imagination and the ontological nature of architecture are positioned as central to create discernment towards the fleeting images condition of contemporary world.

**KEYWORDS:** architectural atmospheres. artificial intelligence. fictional narrative. critical imagination. hermeneutics.

### RESUMO

Em uma era marcada por rápidos avanços tecnológicos, a intersecção entre inteligência artificial (IA) e arquitetura apresenta oportunidades sem precedentes para a concepção de atmosferas arquitetônicas. Este artigo explora esta interação e apresenta um possível quadro teórico derivado da proposta da narrativa ficcional como um método investigativo para o projeto de atmosferas arquitetônicas por meio de tecnologias de inteligência artificial. Essa hipótese compreende espaço, percepção e experiência e informa o processo de projeto à luz das filosofias hermenêuticas da arquitetura. A reflexão sobre as tarefas poética e crítica da imaginação e a natureza ontológica da arquitetura são posicionadas como centrais para criar discernimento em relação à condição de fugacidade imagética do mundo contemporâneo.

**PALAVRAS-CHAVE:** atmosferas arquitetônicas. inteligência artificial. narrativa ficcional. imaginação crítica. hermenêutica.





# L10

## IMAGES AND THE AUTOMATION OF SENSE

**CHAIRS**    **Stavros Kousoulas**  
                  **Andrej Radman**

This panel will challenge the alleged primacy of the ‘physical’ world and the implicit homogenisation that a non-critical adoption of automation technologies (i.e., the so-called artificial intelligence) entails. While we engage with a world replete with capacities, tendencies, and values and not with an aggregate of objects, the automation of perception advocated by recent developments in artificial intelligence perpetuates a paralysing schism: perception is separated from action. In this panel the emphasis will be placed on the modes of semiotisation, where experience (perception and action as one) returns the body to a process field of exteriority. Sensibility introduces an aleatory moment into the development of thought and turns contingency into the very condition for thinking, that itself cannot be reduced to the analytical prerequisites of datafication.

What, then, does artificial intelligence automate? In the most straightforward manner, this panel will assume that artificial intelligence automates perception, but to achieve that, it needs to rely first on a perception that is separated from action. To account for a perception that can (potentially) be separated from action, we need to, counterintuitively, destabilise perception itself; and to achieve such a destabilising move, this panel will focus on philosopher Gilbert Simondon and a part of his work that is only recently gaining traction: his provocative understanding of images as outlined in his recently translated *Imagination and Invention*. In a nutshell, Simondon wishes to provide an account of a genetic unity between distinct phases of individuation that are bound together by the transductive dynamism of the image. At the core of his concerns is precisely the problem of the relation of imagination and invention to perception itself.

If to think differently one has to feel differently, then this panel will place focus on processes of imagi(ni)ng (as the inventive potential of an imagistic cycle) that can become a transindividuating activity that modulates sense. More specifically, it will open to contributions that bring together Simondon’s broader philosophical concerns on individuation, information and technical objects, with his work on images, and crucially with the consequences that this would have for architectural thinking and doing. In addition, we welcome contributions that wish to challenge

the established representational and annotational principles and practices within architecture (and design) discourses, especially as they themselves become increasingly optimised through automation technologies. Finally, we opt for paper proposals that attempt to destabilise the conventional approaches to the role of images, imagination, creation, and invention in architectural design (and its pedagogies), focusing not on the solipsistic genius but on the relationality of a continuously sustained ignorance: from the optimised egological to the sensible ecological.

## ONTOGENESIS IN OPERATION: BOTTOM-UP PLANNING AND PEDAGOGIES FOR INFORMALITY IN NAMIBIA.

## ONTOGÊNESE EM OPERAÇÃO: PLANEAMENTO ASCENDENTE E PEDAGOGIAS PARA A INFORMALIDADE NA NAMÍBIA.

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### ABSTRACT

This paper is a reflection on theoretical concerns for spatial practitioners towards developing post-representational logics drawing on Simondon's conception of 'sense' to reflect on the ontogenetic procedures, tracing a genealogy from his "political outside the legitimization of sovereignty", carried through to Deleuze's political philosophy as a theory of flows, the importance of 'sense' through the dynamic conception of the diagram and politics as a question of jurisprudence. Finally, I address Rouvroy's problematisation of 'algorithmic governmentality' and 'algorithmic realism', to propose emerging technicities in Participatory Informal Settlement Upgrading may hold the potential to reverse the inductive logics which foreclose, by allowing for dynamic topologies, capable of dealing with contingency and embracing abductive logics focused on difference rather than sameness.

**KEYWORDS:** Sensing, Artificial Intelligence, informality, ontogenetic, response-ability

### RESUMO

Este artigo é uma reflexão sobre preocupações teóricas para praticantes espaciais no desenvolvimento de lógicas pós-representacionais, baseando-se na concepção de 'sentido' de Simondon para refletir sobre os procedimentos ontogenéticos, traçando uma genealogia de seu exterior político à legitimação da soberania, levada à filosofia política de Deleuze como teoria dos fluxos, a importância do 'sentido' através da concepção dinâmica do diagrama e da política como questão de jurisprudência. Finalmente, abordo a problematização de Rouvroy sobre 'governamentalidade algorítmica' e 'realismo algorítmico', para propor que tecnicidades emergentes na Melhoria Participativa de Assentamentos Informais possam reverter as lógicas indutivas que promovem o fechamento, permitindo topologias dinâmicas capazes de lidar com a contingência, ao adotar lógicas abductivas focadas na diferença em vez da semelhança.

**PALAVRAS chave:** Sensoriamento, Inteligência Artificial, Informalidade, Ontogenético, Capacidade de resposta

## REPRESENTING INTERACTION: FROM STATIC TO DYNAMIC SPATIAL ENVIRONMENT

## REPRESENTANDO A INTERAÇÃO: DO ESPAÇO CONSTRUÍDO ESTÁTICO AO DINÂMICO

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### ABSTRACT

Buildings are dynamic environments that change over time to accommodate diverse needs, flows, programs, and activities. The rapid adoption of digital technologies into buildings through ubiquitous computing creates a complex infrastructure of interaction between humans, the environment, and technologies that transform the design and operation of architecture. However, conventional architectural drawings fail to visualize the spatiotemporal dynamics of sensorial environments. This paper explores representations for designing human-building interactions. By investigating exemplary architectural drawings from the early 20th century to contemporary installations, it deconstructs the material and immaterial components of interaction through affordances, flows, footprints, behaviors, sensors, and feedback. Drawings highlight the potentials and constraints of building infrastructures to inform architectural design by representing layers of interactions. This approach addresses challenges related to automation, privacy, centralization, and surveillance in digitalized buildings and helps interdisciplinary collaboration for the critical adoption of technologies to balance human needs and environmental performance.

**KEYWORDS:** Human-Building Interaction. Architectural Representation. Infrastructure. Digitalization. Sensorial Environment.

### RESUMO

Os edifícios são ambientes dinâmicos que mudam ao longo do tempo para acomodar diversas necessidades, fluxos, programas e atividades. A rápida adoção de tecnologias digitais em edifícios, através da computação ubíqua cria uma infraestrutura complexa de interação entre os seres humanos, o ambiente e as tecnologias que transformam o design e a operação da arquitetura. No entanto, os desenhos arquitetônicos convencionais falham em visualizar a dinâmica espaço-temporal dos ambientes monitorados por sensores. Este artigo explora representações de interações entre humano e edifício. Ao investigar desenhos arquitetônicos exemplares do início do século XX até instalações contemporâneas, este artigo desconstrói os componentes materiais e imateriais dessa interação por meio de «affordances», fluxos, cobertura de monitoramento, comportamentos, sensores e feedback. Os desenhos destacam os potenciais e as restrições das infraestruturas dos edifícios para informar o design arquitetônico, representando camadas de interações. Esta abordagem aborda desafios relacionados à automação, privacidade, centralização e vigilância em edifícios digitalizados e ajuda a colaboração interdisciplinar para a adoção crítica de tecnologias para equilibrar às necessidades humanas e ao desempenho ambiental.

**PALAVRAS-CHAVE:** Interação Homem- Edifício. Representação Arquitetônica. Infraestrutura. Digitalização. Ambiente Sensorial.

## SURGING SOCIOCEPTION: AFFIRMING ASSURANCE AGAINST AN ALIENATING AMBIANCE

### SOCIOCEPÇÃO EMERGENTE: AFIRMAR A SEGURANÇA CONTRA UM AMBIENTE ALIENANTE

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#### ABSTRACT

In a world where perception is detached from action, images and bodies act as proxies, separated by a doublesided mirror. Images now evolve into autonomous, self-replicating entities through AI, raising the question: whose problem is this? With a current human-to-image ratio of 1 to 1750 and growing, our historical visual reference shifts ever closer to the present. Richard Dawkins' concept of the meme assures us that images have a bright future. Simondon seeks to reveal a genetic unity between individuation phases, tied by the image's transductive dynamism, focusing on the relationship between imagination, invention, and perception. He posits that a visual object is a nexus of subjective perception and objective reality. Today, we seem to have lost control of this relationship. If we don't break our automated symbiosis with technology – and return to an older version of modernism - we risk becoming mere fuel for its growth, disrupting the vital link between action and perception, with significant impacts on ambiances, worldviews, opinions, and planetary health.

**KEYWORDS:** proxy. affect. image. Simondon. technology. transduction. Modernism.

#### RESUMO

Num mundo em que a percepção está desligada da ação, as imagens e os corpos actuam como substitutos, separados por um espelho de dupla face. As imagens evoluem agora para entidades autónomas e autoreplicas através da IA, levantando a questão: de quem é este problema? Com um rácio humano-imagem atual de 1 para 1750 e em crescimento, a nossa referência visual histórica aproxima-se cada vez mais do presente. O conceito de meme de Richard Dawkins garante-nos que as imagens têm um futuro brilhante. Simondon procura revelar uma unidade genética entre as fases de individuação, ligadas pelo dinamismo transdutivo da imagem, centrando-se na relação entre imaginação, invenção e percepção. Afirma que um objeto visual é um nexo entre a percepção subjectiva e a realidade objetiva. Hoje, parece que perdemos o controlo desta relação. Se não quebrarmos nossa simbiose automatizada com a tecnologia – e voltarmos a uma versão mais antiga do modernismo – corremos o risco de nos tornarmos mero combustível para seu crescimento, interrompendo o elo vital entre ação e percepção, com impactos significativos em ambientes, visões de mundo, opiniões e saúde planetária.

**PALAVRAS-CHAVE:** proxy. afeto. imagem. Simondon. tecnologia. transdução. Modernismo.

## ADVANCING CLIMATE CHANGE COMMUNICATION THROUGH SEMIOTIC VISUAL STRATEGIES

## AVANÇANDO A COMUNICAÇÃO CLIMÁTICA ATRAVÉS DE ESTRATÉGIAS VISUAIS SEMIÓTICAS

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### ABSTRACT

Climate change communication presents unique challenges, particularly in conveying complex scientific concepts in a way that resonates with the public. This paper explores the integration of semiotic visual strategies to enhance the effectiveness of climate change messaging. By leveraging the power of images and symbols, communicators can bridge the gap between abstract scientific data and public understanding, making the issue more relatable and urgent. Drawing on semiotic theory, this paper examines the potential of visual tools to convey both denotative and connotative meanings, creating a more emotional and culturally rich narrative around climate change. The paper also discusses the role of artificial intelligence (AI) in generating context-specific visuals that can further enhance these strategies, while addressing ethical considerations related to visual manipulation and accessibility.

**KEYWORDS:** climate change communication. semiotics. artificial intelligence. visual narratives

### RESUMO

A comunicação sobre as mudanças climáticas apresenta desafios únicos, especialmente ao transmitir conceitos científicos complexos de maneira que repercute com o público. Este artigo explora a integração de estratégias visuais semióticas para melhorar a eficácia das mensagens sobre as mudanças climáticas. Ao aproveitar o poder das imagens e dos símbolos, os comunicadores podem diminuir a distância entre dados científicos abstratos e a compreensão pública, tornando a questão mais relacionável e urgente. Com base na teoria semiótica, este artigo examina o potencial das ferramentas visuais para transmitir significados denotativos e conotativos, criando uma narrativa mais emocional e culturalmente rica em torno das mudanças climáticas. O artigo também discute o papel da inteligência artificial (IA) na geração de visuais contextualmente específicas que podem aprimorar essas estratégias, ao mesmo tempo em que aborda considerações éticas relacionadas à manipulação visual e acessibilidade.

**PALAVRAS-CHAVE:** comunicação climática. semiótica. inteligência artificial. narrativas visuais

## AUTOMATION OF WHAT? THE RECIPROCITY BETWEEN INDETERMINACY AND GENERATIVITY IN ARCHITECTURAL TECHNICITIES

## AUTOMAÇÃO DE QUÊ? A RECIPROCIDADE ENTRE INDETERMINAÇÃO E GENERATIVIDADE NAS TECNICIDADES ARQUITETÓNICAS

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### ABSTRACT

For philosopher William James, the problem of what makes what is not so much about finding what is hierarchically higher and efficient but equating one and many, thus highlighting solely “generative impregnators of difference.” This equation of relating and transducing what is ongoing, one, and what is unfinished, many, would tend to pose its problematisation and affirmation of generativity for James. Simondonian genetic approach to imaging understands the indeterminate difference as a reciprocal unfolding process. Rather than opposing automation, this study will question in which ways the automation of architecture leads to an impasse by bypassing imagining and creating meaningless repetition that would not lead to the unfolding of novel affordances. Also, it will question in which ways automation of actions rather than perception is vital to increasing the capabilities of a new cycle of architectural imagining.

**KEYWORDS:** technicity. automation. imagination. generativity. architecture. indeterminacy.

### RESUMO

Para o filósofo William James, o problema do que faz o que não é tanto encontrar o que é hierarquicamente superior e eficiente, mas igualar um e muitos, destacando assim apenas “impregnadores geradores de diferença”. Esta equação de relacionar e transduzir o que está em curso, um, e o que está inacabado, muitos, tenderia a colocar a sua problematização e afirmação de generatividade para James. A abordagem genética Simondonian da imagem entende a diferença indeterminada como um processo de desdobramento recíproco. Em vez de se opor à automatização, este estudo irá questionar de que forma a automatização da arquitetura leva a um impasse ao contornar a imaginação e criar repetições sem sentido que não levariam ao desenvolvimento de novas possibilidades. Além disso, questionará de que forma a automatização das ações, em vez da percepção, é vital para aumentar as capacidades de um novo ciclo de imaginação arquitetônica.

**PALAVRAS-CHAVE:** tecnicidade. automação. imaginação. generatividade. arquitetura. Indeterminação.

## REIMAGI(NI)NG SENSIBILITY TO ARCHITECTURAL MULTIPLICITY TRANSDUCTIVE APPROACH TO INTERPRETATION

## REIMAG(IN)ANDO A SENSIBILIDADE À MULTIPLICIDADE ARQUITECTÓNICA ABORDAGEM TRANSDUTIVA À INTERPRETAÇÃO

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### **ABSTRACT**

This paper discusses the transductive approach to interpretation of architecture from the aspect of the intellectual dimensions. Architecture is considered a complex multiplicity of material and immaterial aspects. In order to experience actual and virtual layers within which architecture operates, this research deals with the reimagi(ni)ng of logical content. The goal is to acknowledge the complexity of the architectural sense and the possibilities for innovation (as improvement of knowledge) by rethinking sensibility towards the architectural interpretation. This paper strives for transindividuating activity that would stratify the multiplicity of architecture. Referring to Simondon's view of transductivity as the functioning of the mind that discovers, a transductive approach to the interpretation of architecture refers to asking a question rather than answering it.

**KEYWORDS:** interpretation. architectural multiplicity. transductive approach. reading architecture. reimagi(ni)ng.

### **RESUMO**

Este artigo discute a abordagem transdutiva da interpretação da arquitetura sob o aspeto das dimensões intelectuais. A arquitetura é considerada uma multiplicidade complexa de aspetos materiais e imateriais. Para experimentar as camadas reais e virtuais dentro das quais a arquitetura opera, esta pesquisa trata da reimaginação do conteúdo lógico. O objectivo é reconhecer a complexidade do sentido arquitectónico e as possibilidades de inovação (como melhoria do conhecimento) repensando a sensibilidade face à interpretação arquitectónica. Este artigo procura uma atividade transindividualizante que estratifique a multiplicidade da arquitetura. Referindo-se à visão de Simondon da transdutividade como o funcionamento da mente que descobre, uma abordagem transdutiva à interpretação da arquitetura refere-se a colocar uma questão em vez de lhe responder.

**PALAVRAS-CHAVE:** interpretação. multiplicidade arquitectónica. abordagem transdutiva. arquitetura de leitura. reimagin(ni)ng.



## METASTABILITY AND SENSORY-MOTOR EXPERIENCE IN THE CHINESE LITERATI GARDEN

## METABILIDADE E EXPERIÊNCIA SENSORIO-MOTORA NO JARDIM DE LITERATOS CHINÊS

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### ABSTRACT

There has been an emerging discourse on contemporary operational images, which emphasises the automation and machinic aspects of digital image applications. This automation, along with digital technologies like language-based image generation, increasingly separates perception from action, thus petrifying the bodily experience and sensibility to the multiplicity of urban life. This petrification and loss of sensibility reduce the infinite possibilities of sensor-motor experiences to limited iterations, leading to homogenisation. This threatens design fields that thrive on creativity and differentiation. To address this, the research departs from Gilbert Simondon's concept of metastability, connecting a series of notions of disparation, intensity, sensory-motor experience and image of thought to depict the process of creative individualisation and the significance of cultivating sensibility. It uses the Chinese literati garden to frame and situate those concepts in the context of cosmo-technics and suggests garden experiences as a synthesis of intensive-image and ethico-aesthetic pedagogy in the digital age.

**KEYWORDS:** Metastability. Chinese Literati Garden. Sensory-motor Experience. Individuation.

### RESUMO

Tem havido um discurso emergente sobre imagens operacionais contemporâneas, que enfatiza os aspectos de automação e maquinaria nas aplicações de imagens digitais. Esta automação, juntamente com tecnologias digitais como a geração de imagens baseada em linguagem, separa cada vez mais a percepção da ação, petrificando assim a experiência corporal e a sensibilidade à multiplicidade da vida urbana. Esta petrificação e perda de sensibilidade reduzem as possibilidades infinitas de experiências sensorio-motoras a iterações limitadas, levando à homogeneização. Isto ameaça áreas de design que prosperam na criatividade e diferenciação. Para abordar esta questão, a pesquisa parte do conceito de metastabilidade de Gilbert Simondon, conectando uma série de noções de disparidade, intensidade, experiência sensorio-motora e imagem do pensamento para descrever o processo de individualização criativa e a importância de cultivar a sensibilidade. Utiliza o jardim de literatos chinês para enquadrar e situar esses conceitos no contexto das cosmo-técnicas e sugere as experiências no jardim como uma síntese de imagem intensiva e pedagogia ético-estética na era digital.

**PALAVRAS-CHAVE:** Metastabilidade. Jardim de Literatos Chinês. Experiência Sensorio-motora. Individuação.

## IMAGINATION AS A CONSTRUCTION SITE

### A IMAGINAÇÃO COMO CANTEIRO DE CONSTRUÇÃO

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#### **ABSTRACT**

For the main representatives of classical philosophy, the image remains a thing. Even in Kant the image does not acquire the importance of the schema, the essential mediator between the faculties of imagination and understanding, with a regulative function upon sensory data, in order for knowledge to emerge. Simondon seems to restore image to its primary role within consciousness. The image for Simondon is a kind of a hybrid that resolves the distance between object and subject, precise representation and abstraction. Based on these two divergent approaches, this paper wishes to emphasize that imagination appears as an autonomous process, a neutral field of creative activity, where preconceptions, hard facts and planned configurations are at stake, giving up their regular status, for the sake of creating something new.

**KEYWORDS:** image. imagination. schema. schematism. Kant. Simondon.

#### **RESUMO**

Para os principais representantes da filosofia clássica, a imagem continua a ser uma coisa. Mesmo em Kant não se adquire na imagem a importância do esquema, o mediador essencial entre as faculdades da imaginação e da compreensão, com função reguladora dos dados sensoriais, para que o conhecimento possa emergir. Simondon parece restituir a imagem ao seu papel principal na consciência. A imagem para Simondon é uma espécie de híbrido que resolve a distância entre objeto e sujeito, a representação precisa e a abstração. Com base nestas duas abordagens divergentes, este artigo pretende sublinhar que a imaginação surge como um processo autónomo, um campo neutro de atividade criativa, onde estão em jogo pré-conceitos, factos concretos e configurações planeadas, abrindo mão do seu estatuto regular, em prol da criação.

**PALAVRAS-CHAVE:** imagem. imaginação. esquema. esquematismo. Kant. Simondon.

## SITTING ON THE BALCONY OF AN ATHENIAN APARTMENT, EATING SCHNITZEL

## SENTADO NA VARANDA DE UM APARTAMENTO ATENIENSE, COMENDO SCHNITZEL

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### ABSTRACT

The article draws parallels between death and invention, both approached as mechanisms of redistribution of bio-technological possessions. The self is seen as composable through different domains, not contained within the body or mind alone, but co-constructed by human interactions and technological mediations. Thus, death comes as a transductive process of disassociation happening across different platforms of existence -from biological (physical decomposition) to social (will executions and obituaries). Whether considered as a singular event or an ongoing process, death is fundamentally ecological, challenging existential frameworks and redistributing available affordances. Announcements of such possession shifts are mediated through images, serving as dynamic conveyors of information within different environmental settings. In Gilbert Simondon's ontology of images, images transcend static representations, dynamically emerging through organism-environment interactions and mediating resource allocation by activating imagination. In this process, the cognitive milieu folds, leading to novel conducts that extract and isolate affordances from specific contexts, essentially redefining their availability through technological means.

**KEYWORDS:** invention. death. imagination. metabolism. negentropy. Simondon.

### RESUMO

O artigo traça paralelos entre a morte e a invenção, ambos abordados como mecanismos de redistribuição de posses bio-tecnológicas. O «eu» é visto como componível através de diferentes domínios, não contido apenas no corpo ou na mente, mas co-construído por interações humanas e mediações tecnológicas. Assim, a morte surge como um processo transdutivo de dissociação que ocorre em diferentes plataformas de existência - desde o biológico (decomposição física) até o social (execuções de testamentos e obituários). Seja considerada como um evento singular ou um processo contínuo, a morte é fundamentalmente ecológica, desafiando os frameworks existenciais e redistribuindo as disponibilidades de recursos. Anúncios dessas mudanças de posse são mediados por imagens, que atuam como transportadores dinâmicos de informações em diferentes contextos ambientais. Na ontologia das imagens de Gilbert Simondon, as imagens transcendem representações estáticas, emergindo dinamicamente através das interações organismo-ambiente e mediando a alocação de recursos ao ativar a imaginação. Neste processo, o meio cognitivo se dobra, levando a condutas inovadoras que extraem e isolam recursos de contextos específicos, redefinindo essencialmente sua disponibilidade por meio de meios tecnológicos.

**PALAVRAS-CHAVE:** Invenção. morte. imaginação. metabolismo. negentropia. Simondon.



## L11

# IMMERSIVE EXPERIENCE AS A SCIENTIFIC, CREATIVE AND PEDAGOGICAL TOOL

**CHAIRS**    **Cristina Palmese**  
                   **José Luis Carles**  
                   **Alejandro Rodríguez Antolín**

The aim of this thematic session is to explore atmospheres in movement, focusing on the concept of immersive long-term experience such as the augmented soundwalk, considered as a scientific, creative and pedagogical tool. We use the term 'augmented' in a double meaning, on one hand, the use of technologies that help us to amplify or augment the feeling of our bodies; on the other hand, the possibility of inhabiting possible worlds thanks to the activation of the imagination through attentive listening. The soundwalk, with its several complementary techniques, is actually one of the most complex tools for exploring the city's soundscape. From the first proposals by Hildegard Westerkamp until today's theoretical and practical proposals, the interest has been nothing but growth and development. This potential of the soundwalk is also captured in the ISO standard, which recognizes in a more technical framework the soundscape as "a sound environment (or sonic environment) with emphasis on how it is perceived and understood by the individual, or by a society" [International Organization for Standardization (2014). Acoustics—Soundscape—Part 1: Definition and conceptual framework (ISO Standard No. 12913 1:2014)]. In this case it is understood in a broader framework, in addition to being used as a data collection tool, it is invited to be explored also as a transversal tool that connects creation and pedagogy.

For this session we are invited to explore atmosphere through the act of sharing a place from a multiple relationship with the context, the imagination, creation, sound experiences, daily experiences, happenings, casual interaction with the inhabitants, pedagogical experiences. This can be

synthesized with the Francesco Careri's proposal "losing time to gain space". Careri adds: "we know that whoever goes around setting a goal and a definite time loses all the possibilities that derive offers" [Careri, F. (2016). *Pasear, detenerse*. Gustavo Gili, p. 127].

At this point, there are some interesting questions to invite to reflect:

How to involve the population in an open and non-directed research, to collect spontaneity, perception and feelings towards the soundscape?

How can we analyze the rhythms and urban choreographies of situated space by situating ourselves as researchers in the environment?

How to represent and share the results?

How to explore the body as a witness to the memory of a sense of place, culture, rhythm, and rituals (the importance of heritage in the identity of place)?

How to actively involve people in the assessment and creation of a collective environment?

How, through collective listening, is it possible to understand and share the affective aspects and emotions experienced in the place?

How collective action helps us to understand the impact of transitory, emergent and unexpected events, of unforeseen resonances determined by the fact of being in a place?

And, finally, how to approach augmented soundwalk as scientific, creative and pedagogical tools?

## PRAISE OF AMBIENT METHODS: IMMERSION AS A TOOL FOR AMBIENT MEDIATION AND CAPTURING ALTER- PATRIMONIALIZATION

## ELOGIO AOS MÉTODOS AMBIENTAIS: A IMERSÃO COMO FERRAMENTA DE MEDIAÇÃO AMBIENTAL E DE CAPTAÇÃO DA ALTER-PATRIMONIALIZAÇÃO

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### ABSTRACT

Heritage interest is marked by irregular and intermittent efforts, often driven by societal pressure or international funding. National institutions and various stakeholders cite economic, technical, legal, and land-related issues as barriers to a sustainable heritage strategy, with the core problem being the overall approach from identification to rehabilitation. The article proposes a new, more accessible, human, and social expertise in heritage action, suggesting that heritage encompasses more than material value; it includes collective narratives and memories. It advocates for a reflective debate on heritage transformation, integrating psychosocial and anthropological dimensions through "ambiental" approaches. This perspective aims to incorporate urban experiences, sensitive environments, and inhabitants' practices into the heritage process. The phenomenon of Oukalisation, explored through immersive studies in Burj Toukebri, Villa Mussolini, and the Israeli school, demonstrates how ambient methods can highlight and promote ordinary and citizen heritage.

**KEYWORDS:** Alter-patrimonialization. Ambient methods. Immersion. Oukalization. Sensitive experience.

### RESUMO

O interesse patrimonial é marcado por esforços irregulares e intermitentes, muitas vezes impulsionados por pressões sociais ou financiamento internacional. As instituições nacionais e várias partes interessadas citam as questões económicas, técnicas, jurídicas e relacionadas com a terra como barreiras a uma estratégia de património sustentável, sendo o problema central a abordagem global desde a identificação até à reabilitação. O artigo propõe uma nova experiência, mais acessível, humana e social na acção patrimonial, sugerindo que o património abrange mais do que valor material; inclui narrativas e memórias coletivas. Defende um debate reflexivo sobre a transformação do património, integrando dimensões psicossociais e antropológicas através de abordagens "ambientais". Esta perspetiva visa incorporar as experiências urbanas, os ambientes sensíveis e as práticas dos habitantes no processo patrimonial. O fenómeno da Oukalização, explorado através de estudos imersivos no Burj Toukebri, na Villa Mussolini e na escola israelita, demonstra como os métodos ambientais podem destacar e promover o património comum e cidadão.

**PALAVRAS-CHAVE:** Alter-patrimonialização. Métodos ambientais. Imersão. Oukalização. Experiência sensível.

## A MULTISENSORIAL APPROACH TO URBAN SPACE

## UMA ABORDAGEM MULTISSENSORIAL DO ESPAÇO URBANO

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### **ABSTRACT**

This article focuses on ongoing research that develops and applies a hybrid in situ methodology that combines soundscape and visual/digital research aimed at collaborative design and place-making strategy. Our starting point is that understanding and designing shared public space requires an approach that considers both sensory interactions - the experience of sound, light, smell, touch, proprioception, etc. - and biodiversity, spatial, cultural, and social aspects to understand the dynamics that make a space a place.

Researchers from different countries and fields have begun a several-stage research process in which citizen participation, creativity, affect, and direct experience of place are central to the processes of understanding and planning the landscape. The first phase involves theoretical exploration, including exchanging methodologies, representation tools, and disciplinary languages. The second phase includes applying the common method in a pilot study conducted in Istanbul's Eminönü Square and Madrid's Puerta del Sol.

**KEYWORDS:** Soundscape. Visualscape. Soundwalk. Visual/Digital Analysis. Urban Perception.

### **RESUMO**

Este artigo centra-se na investigação em curso que desenvolve e aplica uma metodologia híbrida in situ que combina a paisagem sonora e a investigação visual/digital para uma estratégia colaborativa de conceção e criação de lugares. O nosso ponto de partida é que a compreensão e a conceção de espaços públicos partilhados requerem uma abordagem que tenha em conta tanto as inteirações sensoriais como a cultura e a sociedade, para compreender as dinâmicas que fazem de um espaço um lugar.

Investigadores de diferentes países e áreas embarcaram num processo de investigação em várias fases, no qual a participação dos cidadãos, a criatividade, os afectos e a experiência direta do lugar são centrais para os processos de compreensão e planeamento da paisagem. Foram desenvolvidas duas fases: a primeira é teórica e metodológica e a segunda é a aplicação da metodologia na Praça Eminönü em Istambul e na Puerta del Sol em Madrid.

**PALAVRAS-CHAVE:** Paisagem Sonora. Paisagem Visual. Soundwalk. Análise Visual/Digital. Percepção Urbana.



## EXPERIENTIAL LEARNING SET IN AUTHENTIC ENVIRONMENTS. PEDAGOGIES OF CO-CREATION IN ARCHITECTURE

## APRENDIZAGEM EXPERIENCIAL EM AMBIENTES AUTÊNTICOS. PEDAGOGIAS DE CO-CRIAÇÃO EM ARQUITETURA

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### ABSTRACT

This paper delves into a case study originating from an architectural workshop encompassing architectural design, material production, and theoretical research conducted both within and outside the institutional boundaries of the university, aiming to mobilize its resources and challenge its limits. Designed as an interactive and productive process for communication, the workshop reimagines architecture as a conduit for a more entangled and more symbiotic sum of processes and focuses on collective world-making in a natural setting through debates, round-table sessions, role-playing, concept mapping, narrative building, peer-to-peer reviews, and field trips. It seeks to explore the essential requirements, including spatial, technical, ecological, digital, financial and personnel resources while outlining the pedagogical approaches utilized to effectively monitor and evaluate the learning process, ensuring its efficacy and relevance in the frame of education for sustainability.

**KEYWORDS:** situated knowledges. experiential learning. interpersonal skills. collaborative practices. Interspecies design.

### RESUMO

Este artigo investiga um estudo de caso originado de uma oficina de arquitetura que abrange projeto arquitetônico, produção de materiais e pesquisa teórica realizada dentro e fora dos limites institucionais da universidade, com o objetivo de mobilizar seus recursos e desafiar seus limites. Concebido como um processo interativo e produtivo de comunicação, o workshop reimagina a arquitetura como um canal para uma soma de processos mais emaranhados e mais simbióticos e centra-se na criação coletiva do mundo num ambiente natural através de debates, sessões de mesa redonda, dramatização, mapeamento de conceitos, construção de narrativas, revisões entre pares e visitas de campo. Procura explorar os requisitos essenciais, incluindo recursos espaciais, técnicos, ecológicos, digitais, financeiros e de pessoal, ao mesmo tempo que delinea as abordagens pedagógicas utilizadas para monitorizar e avaliar eficazmente o processo de aprendizagem, garantindo a sua eficácia e relevância no quadro da educação para a sustentabilidade

**PALAVRAS-CHAVE:** conhecimentos situados. aprendizagem experiencial. habilidades interpessoais. práticas colaborativas. Projeto interespecies.

## SENSORY WALK AS A METHOD FOR EXPLORING CONCERT EXPERIENCE IN BERLIN PHILHARMONIE

### CAMINHADA SENSORIAL COMO MÉTODO PARA EXPLORAR A EXPERIÊNCIA DE CONCERTO NA BERLIN PHILHARMONIE

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#### ABSTRACT

The concert experience comprehends more than listening to music in a dark room. It involves being in a space with others, movement, attunement, scents, light, and acoustics. In the paper, sensory walking is investigated as a method for atmospheric research at the Berlin Philharmonie. The building, designed by Hans Scharoun, was completed in 1963 and is the first so-called “vineyard hall.”

The study is based on phenomenology but also includes autoethnographic field research. The experience has been observed by attending numerous concerts in the spring of 2023 on-site. The ongoing research suggests that visiting the same building for multiple concerts and documenting the experience using different senses and media provides insights into how the building is used and what it means to us. By delving into the multisensory experience, we gain a deeper understanding of how the physical environment shapes us and the culture we create.

**KEYWORDS:** concert hall. atmosphere. experience. multisensory. sensory walk.

#### RESUMO

A experiência de um concerto vai além de simplesmente ouvir música em uma sala escura. Envolve estar em um espaço com outras pessoas, movimento, sintonia, aromas, luz e acústica. A caminhada sensorial é investigada como um método de pesquisa atmosférica na Berlin Philharmonie. O edifício, projetado por Hans Scharoun, foi concluído em 1963 e é o chamado “salão em forma de vinhedo”.

O estudo baseia-se na fenomenologia, mas também inclui pesquisa de campo autoetnográfica. A experiência foi observada ao comparecer a vários concertos na primavera de 2023 no local. A pesquisa em andamento sugere que visitar o mesmo prédio para múltiplos concertos e documentar a experiência usando diferentes sentidos e mídias nos proporciona insights sobre como o edifício é utilizado e o que ele significa para nós. Ao explorar a experiência multissensorial, obtemos uma compreensão mais profunda de como o ambiente físico nos molda e a cultura que criamos.

**PALAVRAS-CHAVE:** sala de concertos. atmosfera. experiência. multissensorial. caminhada sensorial.

# L12

## INSTRUMENTARIUM OF ARCHITECTURAL AND URBAN AMBIANCES, SPATIALISATION OF THE SENSIBLE IN THE PROJECT

**CHAIR**     **Mohammed Boubezari**

At the heart of architectural and urban design, mastering complexity proves essential. The instrumentation of ambiances becomes a crucial element for understanding and shaping spaces. This thematic session focuses on the significance of conceptual and technical tools as supports for mastering complexity, particularly in the context of the spatialisation of the sensible at the early stages of the project. The latest technological advances in terms of immersive virtual models and interactive modelling (AR-VR- MR) confirm the trend towards the integration of sensitivity and spatial practices upstream in the design of living spaces, certainly in an intuitive way but which questions notions to be developed urgently to think about project.

We invite contributions from researchers, architects, urban planners, and practitioners on the following axes:

Theoretical Concepts: Sensitive topologies, affordances in virtual environments, AI-assisted design narratives, interface design, and usage design applied to architecture are examples of new theoretical concepts that are becoming necessary in design or at least merit discussion.

**Topological Tools and Technologies:** Exploration of tools, digital technologies, topological modeling methods, and innovative approaches as key instruments for mastering the complexity of ambiances.

**Integration of the Sensible with a Topological Approach:** Analysis of how these conceptual and technical tools facilitate the integration of the sensible from the early stages of architectural and urban design.

**Sensory Experiences:** Study of user sensory experiences in architectural and urban spaces, emphasizing the spatialization of the sensible through a topological perspective, facilitated by appropriate methods, techniques, or instruments.

**Case Studies:** Presentation of innovative projects where the use of conceptual and technical tools has resolved complex challenges related to the integration of the sensible.

Original contributions and research articles are welcome. Authors are invited to submit their abstracts before the specified deadline. Articles will be peer-reviewed based on criteria of academic excellence, originality, and relevance to the thematic session. Submissions must be in English.

We look forward to engaging and innovative contributions that will enrich the discussion on the instrumentation of architectural and urban ambiances, as well as the spatialisation of the sensible in the project.

## ECHOES OF EMBODIED EXPERIENCES: METHODOLOGIES FOR SENSORY RESEARCH

## ECOS DE EXPERIÊNCIAS CORPORAIS: METODOLOGIAS PARA A INVESTIGAÇÃO SENSORIAL

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### ABSTRACT

Urban environments are characterized by their physical structures and the rich tapestry of sensory experiences they offer their inhabitants. However, conventional methods of assessing urban experiences often privilege the tangible and visible aspects and the nuances by which these influence social practices and the use of public space. A sensory approach to urban environments is proposed in this article to emphasise the multifaceted nature of human perception, highlighting the importance of sensory experiences in understanding interactions with surroundings. This article presents the results of field research at Lisbon's Oriente Station. Using shadowing and sound recording as sensory methodologies, researchers observed the walk of a blind person within the different areas of the station, focusing on auditory stimuli and mapping his journey. The two proposed methodologies proved effective in uncovering hidden dimensions of urban experience and capturing the nuances of the context's soundscape.

**KEYWORDS:** sensorial approach. shadowing. sound-recording. user-experience design. urban environments.

### RESUMO

Os ambientes urbanos são caracterizados pelas suas estruturas físicas e pela rica tapeçaria de experiências sensoriais que oferecem aos seus habitantes. Todavia, os métodos convencionais de avaliação das experiências urbanas privilegiam frequentemente os aspectos tangíveis e visíveis e as nuances com que estes influenciam as práticas sociais e a utilização do espaço público. Neste artigo, propõe-se uma abordagem sensorial dos ambientes urbanos com o objetivo de enfatizar a multifacetada da percepção humana, evidenciando a importância das experiências sensoriais na compreensão das interações com o ambiente urbano. Este artigo apresenta os resultados de uma investigação de campo na Estação do Oriente, em Lisboa. Utilizando o sombreamento e o registo sonoro como metodologias de investigação sensorial, os autores observaram a caminhada de uma pessoa cega nas diferentes áreas da estação, focando-se nos estímulos auditivos e mapeando o seu percurso. As duas metodologias propostas revelaram-se eficazes na descoberta de dimensões ocultas da experiência urbana e na captação das nuances da paisagem sonora do contexto.

**PALAVRAS-CHAVE:** abordagem sensorial. shadowing. sound-recording. UX design. ambientes urbanos.

## THE AMBIENCE IN THE REGULARIZED SECTION OF RIO DA COSTA - ODIVELAS

### A AMBIÊNCIA NO TROÇO REGULARIZADO DO RIO DA COSTA - ODIVELAS

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#### **ABSTRACT:**

The Ambience in the Regularized Section of the Rio da Costa characterizes an approach to the theme of the Ambience of Nature in the Urban Environment. An intervention was carried out in a territory located between Rua Comandante Augusto Alexandre Jorge and IC 17 - CRIL (Circular Regional Interior de Lisboa), a fast road with a motorway profile and Estrada Nacional 8 (N 8) and the water line through its middle (Rio da Costa) in Odivelas. By intervening in an area of approximately 20,000.00 m<sup>2</sup>, the territory was opened up to people, where the aesthetically organized space brought various social, cultural and emotional activities, thus influencing the behavior of its users. This work aims to present results on the environments of the areas that make up the Urban Ecological Structure (EEU) and verify how they relate to ecological, social, educational, sporting, cultural and structural elements present in the intervened area.

**KEYWORDS:** ambience. conducts. perceptions. users.

#### **RESUMO:**

A Ambiência no Troço Regularizado do Rio da Costa, caracteriza uma abordagem à temática da Ambiência da Natureza no Meio Urbano. Foi realizada uma intervenção num território encravado entre a Rua Comandante Augusto Alexandre Jorge com a IC 17 - CRIL (Circular Regional Interior de Lisboa), uma via rápida com perfil de autoestrada e a Estrada Nacional 8 (N 8) e a linha de água pelo seu meio (Rio da Costa) em Odivelas. Ao se intervencionar uma área de aproximadamente 20.000,00 m<sup>2</sup>, abriu-se o território às pessoas, onde o espaço organizado esteticamente trouxe várias atividades sociais, culturais e emocionais, influenciando assim o comportamento dos seus utilizadores. Neste trabalho pretende-se apresentar resultados nas ambiências das áreas que integram a Estrutura Ecológica Urbana (EEU) e verificar como elas se relacionam com elementos ecológicos, sociais, educativos, desportivos, culturais e estruturais, presentes na área intervencionada.

**PALAVRAS-CHAVE:** ambiência. condutas. perceções. utilizadores.

## WHAT METROLOGY FOR SOUNDWALKS?

## QUE METROLOGIA PARA OS SOUNDWALKS?

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### **ABSTRACT**

Acoustic measurement in ambiance studies often lacks precision, despite its recognized importance in methodologies like soundwalks. To address this, a method was tested during a 2022 Sensorial Workshop at Lisbon's Oriente Station to measure separate sound sources from their background. This method, previously used for static sources, was applied dynamically in a soundwalk, enabling precise identification and isolation of sounds as perceived by participants. Similar to Leonardo da Vinci's perspectograph, the method measures the "size" of sounds in decibels from the loudest to the softest at the listening point. It captures the most representative frequency of a sound, essential for identifying objects in a complex sound landscape. This approach allows for a comprehensive description of the perceived sound landscape and maintains a precise connection between (signal), sensory (sensation), and perceptual data (sense), making it transdisciplinary. The article explains the method and measurement protocol used.

**KEYWORDS:** Metrology. Sound walk composition. Synecdoche effect. Transdisciplinary.

### **RESUMO**

A medição acústica em estudos de ambiências muitas vezes carece de precisão, apesar da sua importância reconhecida em metodologias como os «soundwalks». Para resolver isso, uma metodologia foi testada durante um Workshop Sensorial de 2022 na Estação do Oriente, em Lisboa, para medir fontes sonoras separadas do seu fundo. Esta metodologia, anteriormente utilizada para fontes estáticas, foi aplicada de forma dinâmica num «soundwalk», permitindo a identificação e isolamento precisos dos sons percebidos pelos participantes. Semelhante ao perspectógrafo de Leonardo da Vinci, a metodologia mede o «tamanho» dos sons em decibéis, do mais alto ao mais baixo, no ponto de escuta. Captura a frequência mais representativa de um som, essencial para identificar objetos num ambiente sonoro complexo. Esta abordagem permite uma descrição abrangente da paisagem sonora percebida e mantém uma ligação precisa entre os dados físicos (sinal), sensoriais (sensação) e perceptuais (sentido), tornando-a transdisciplinar. O artigo explica a metodologia e o protocolo de medição utilizados.

**PALAVRAS-CHAVE:** Metrologia. Composição de sound walk. Efeito de sinédoque. Transdisciplinaridade.

## THE POWER OF SENSORY EXPERIENCE IN HOTEL ARCHITECTURE: IMPACT ON SPACE, LANDSCAPE, AND URBAN PLANNING

## O PODER DA EXPERIÊNCIA SENSORIAL NA ARQUITETURA HOTELEIRA: IMPACTO NO ESPAÇO, NA PAISAGEM E NO URBANISMO

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### ABSTRACT

The power of sensory experience in hotel architecture goes beyond mere functionality and comfort, influencing not only the spatial perception of tourists but also the architectural, landscape, and urban context. Today, tourists seek more than temporary accommodation; they are drawn to immersive environments that stimulate the senses and create lasting memories. Hotel enterprises, in their quest for differentiation and customer attraction, design spaces that evoke emotions, inspire creativity, and harmonize with their surroundings. However, this pursuit of sensory uniqueness often introduces urban challenges, affecting not only hotel guests but also the broader landscape and urban environment in which these structures are located. This raises an important question: what is the power of a sensory hotel experience to shape the landscape it inhabits and the surrounding urban environment? This inquiry highlights the challenges and opportunities these interactions present for contemporary architecture and urbanism.

**KEYWORDS:** Architecture. Tourism. Hotel. Sensory. Landscape. Urbanism. Experience.

### RESUMO

O poder da experiência sensorial na arquitetura hoteleira vai além da simples funcionalidade e conforto, influenciando não apenas a percepção espacial dos turistas, mas também o contexto arquitetônico, paisagístico e urbanístico. Hoje, os turistas procuram mais do que uma hospedagem temporária; eles são atraídos por ambientes imersivos que estimulam os sentidos e criam experiências memoráveis. Os empreendimentos hoteleiros, na sua busca por diferenciação e atração de clientes, projetam espaços que evocam emoções, inspiram a criatividade e se harmonizam com o seu entorno. No entanto, essa busca por uma unicidade sensorial frequentemente introduz desafios urbanísticos, afetando não apenas os hóspedes do hotel, mas também a paisagem e o ambiente urbano mais amplo onde essas estruturas estão inseridas. Isso levanta uma questão importante: qual é o poder de uma experiência sensorial hoteleira em configurar a paisagem que a envolve e o ambiente urbano ao seu redor? Essa interrogação destaca os desafios e as oportunidades que essas interações representam para a arquitetura e o urbanismo contemporâneos.

**PALAVRAS-CHAVE:** Arquitetura. Turismo. Hotel. Sensorial. Paisagem. Urbanismo. Experiência.



## THE RE-USE OF MODERN ARCHITECTURE AND ITS ATMOSPHERES: HOUSE MEL BY PAUL MEEKELS

## O RE-USO DA ARQUITETURA MODERNA E DAS SUAS ATMOSFERAS: A CASA MEL POR PAUL MEEKELS

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### ABSTRACT

The Modernist architectural movement in Belgium produced diverse and significant works. Preserving and adapting these structures to contemporary standards while maintaining their intrinsic value is challenging. The “Re-use of Modernist Buildings” course in Interior Architecture explores modernist heritage principles to create contemporary ambiances that respect original designs. Key modernist elements such as structure, materials, colours, and built-in furniture are studied through research and practical projects. This paper examines the re-use of House Mel by Belgian architect Paul Meekels, built in 1962-63. The house is a paradigmatic example of modernist design with its concrete skeleton and functional aesthetics. In-depth analysis was conducted through site visits, archival research, and literature review. Various visualisation tools captured the building’s modernist solutions. Proposals for re-use explore how modernist interior features can create contemporary atmospheres, enhancing the architectural experience.

**KEYWORDS:** modernist architecture. re-use. materiality. colour. furniture

### RESUMO

O movimento arquitetónico modernista na Bélgica produziu obras diversas e significativas. Preservar e adaptar essas estruturas aos padrões contemporâneos, mantendo o seu valor intrínseco, é desafiante. Na unidade curricular de «Reuso de Edifícios Modernistas», em Arquitetura de Interiores, criam-se ambientes contemporâneos que respeitem os princípios originais do movimento moderno. Elementos modernistas chave, como estrutura, materiais, cores e mobiliário, são investigados e alvo de experimentação prática. Este artigo examina o reuso da Casa Mel desenhada pelo arquiteto belga Paul Meekels e construída em 1962-63. Esta casa é um exemplo paradigmático da arquitetura modernista com a sua estrutura de betão armado e estética funcional. Foi realizado um estudo aprofundado através de visitas ao local, investigação em arquivos e revisão de literatura. Várias ferramentas de visualização capturaram as soluções modernistas do edifício. As propostas de reuso exploram como as características interiores modernistas podem criar atmosferas contemporâneas, aprimorando a experiência arquitetónica.

**PALAVRAS-CHAVE:** arquitetura moderna. reuso. materialidade. cor. Mobiliário



# L13

## NEGATIVE URBAN ATMOSPHERES

**CHAIR** Rainer Kazig

In previous research on atmospheres, the problem of negative atmospheres in general and negative urban atmospheres in particular has not been systematically analysed. By focussing on negative urban atmospheres, this session aims to contribute to reducing this gap. The term urban atmospheres is used here to refer to the atmospheres of urban public spaces.

Negative urban atmospheres are characterised by the fact that they trigger a more or less clear feeling of discomfort when spending time in public spaces. They thus subtly restrict the accessibility of public spaces. They rarely affect all users of public spaces equally, but usually a certain category of people. It is possible to imagine various situations in which negative atmospheres can arise - listed here only as examples. For long-established residents, the gentrification or touristification of a neighbourhood can transform a previously given feeling of resonance when spending time in the public space of "their" neighbourhood into a feeling of dissonance. Negative urban atmospheres can also be deliberately created through microaggressions towards certain categories of people in public spaces. It is also conceivable that threatening events such as terrorist attacks create an oppressive mood in society that manifests itself as a negative atmosphere in certain situations and among certain people.

This session will discuss the broad spectrum of negative urban atmospheres – ideally on the basis of empirical studies. An important aspect here is a precise description and qualification of the subjective feelings that characterise negative atmospheres in order to understand the discomfort associated with the corresponding situation and the exclusionary character of negative urban atmospheres. Closely linked to this is the question of resistance to negative urban atmospheres. On the one hand, it concerns the possibility or impossibility of opposing negative urban atmospheres on an individual level. On the other hand, there is the question of whether and how collective resistance to negative atmospheres can be organised. Another important aspect is the question of how negative urban atmospheres arise, as mentioned at the beginning. It also involves dealing with changes in their intensity.

One challenge of empirical research into urban atmospheres lies in the precise description of the interplay between environmental qualities and subjective sensitivities. As the examples given at the beginning have indicated, moods, small gestures or memories can contribute to the creation of negative urban atmospheres. This session will therefore also address the question of how this complex interplay can be captured empirically and where there may be limits to empirical research into negative urban atmospheres.

In addition to papers dealing with these two overarching questions, contributions that focus on other aspects of the phenomenon of negative urban atmospheres and their research are also welcome.

## AFFECTIVE URBANISM AND ATMOSPHERIC JUSTICE

### URBANISMO AFETIVO E JUSTIÇA ATMOSFÉRICA

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#### ABSTRACT

Affective urbanism – also referred to as sensory or experiential urbanism – primarily characterizes a range of urban interventions focused on enhancing experiences within urban spaces, particularly targeting the development of thriving shopping, tourism, and recreational districts. In recent years, a different kind of affective urbanism has been proposed – one that is concerned with how communities can create inclusive affective spaces in alternative to the consumption- and finance-oriented city. Within these movements, there is growing concern with issues of atmospheric justice. In this paper, I re-visit the clashing uses of atmosphere as a tool for affective urbanism in the contemporary city, to posit that atmospheric approaches in urbanism should center on safeguarding the rights of individuals and communities to participate in atmospherics. In this sense, atmospheric justice emerges as a core issue for the debates on the right to the city, although it has rarely figured as a relevant topic in this discussion.

**KEYWORDS:** Affective urbanism; Atmospheric justice; Right to the city; Urban Consumption; City.

#### RESUMO

O urbanismo afetivo – também referido como urbanismo sensorial ou experiencial – descreve uma série de intervenções urbanas focadas em melhorar as experiências dentro de espaços urbanos, tendo em vista o desenvolvimento de espaços vibrantes de consumo, turismo e lazer. Nos últimos anos, foi proposta uma abordagem diferente ao urbanismo afetivo que se foca na capacidade das comunidades para criar espaços afetivos inclusivos em alternativa à cidade orientada para o consumo e para a finança. Dentro desses movimentos, há uma preocupação crescente com questões de justiça atmosférica. Nesta comunicação, revisito os usos conflituantes da atmosfera enquanto ferramenta do urbanismo afetivo na cidade contemporânea, para argumentar que as abordagens atmosféricas no urbanismo se devem concentrar em salvaguardar os direitos de indivíduos e comunidades de participarem na produção atmosférica. Neste sentido, a justiça atmosférica surge como uma questão central para os debates sobre o direito à cidade, embora raramente tenha figurado como um tópico relevante nesta discussão.

**PALAVRAS-CHAVE:** Urbanismo afetivo; Justiça atmosférica; Direito à cidade; Consumo urbano; Cidade

## URBAN REGENERATION AND AFFECTIVE BLEACHING

### REGENERAÇÃO URBANA E BRANQUEAMENTO AFETIVO

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#### **ABSTRACT**

Social scientists have argued that vitality and lively atmospheres can be found in all places, even 'non-places' subject to high levels of control, securitization, and homogenization under what can be broadly called neoliberalism. Despite this having productive insights, we must also highlight the damage to urban life where regeneration projects transform informal or vibrant spaces into those which lack liveliness. In this paper, I introduce the concept of 'affective bleaching' to describe what happens to atmospheres when neoliberal regeneration drains away their liveliness. This phrase draws deliberate parallels with coral bleaching, arguing that the reduction in affective intensity can have a wider damaging impact on the urban 'ecosystem'. Working through data from the early stages of a research project in Durham, UK, I will outline how affective bleaching has occurred in this site and it is encouraged by the nature of developer-led neoliberal regeneration projects.

**KEYWORDS:** Affect. Urban. Regeneration. Neoliberalism

#### **RESUMO**

Os cientistas sociais defendem que a vitalidade e as atmosferas vivas podem ser encontradas em todo o lado, mesmo em "não-lugares" sujeitos a elevados níveis de controlo, securitização e homogeneização sob o que pode ser amplamente chamado de neoliberalismo. Apesar de termos insights produtivos, devemos também destacar os danos na vida urbana onde os projetos de regeneração transformam espaços informais ou vibrantes em espaços sem vida. Neste artigo, apresento o conceito de "branqueamento afetivo" para descrever o que acontece às atmosferas quando a regeneração neoliberal esgota a sua vivacidade. Esta frase traça paralelos deliberados com o branqueamento de corais, argumentando que a redução da intensidade afetiva pode ter um impacto prejudicial mais amplo no "ecossistema" urbano. Trabalhando com dados das fases iniciais de um projecto de investigação em Durham, Reino Unido, descreverei como o branqueamento afectivo ocorreu neste local e é encorajado pela natureza dos projectos de regeneração neoliberal liderados pelos desenvolvedores.

**PALAVRAS-CHAVE:** Afeto. Urbano. Regeneração. Neoliberalismo

## THE EFFECTS OF VIOLENCE ON WOMEN'S MOVEMENTS IN THE CITY: THE CIVIL WAR ATMOSPHERE IN THE FAVELAS OF THE HISTORIC CENTER OF JOÃO PESSOA, BRAZIL

## OS EFEITOS DA VIOLÊNCIA NOS MOVIMENTOS FEMININOS PELA CIDADE: O CLIMA DE GUERRA CIVIL NAS FAVELAS DO CENTRO DE JOÃO PESSOA, BRASIL

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### ABSTRACT

The economic decline and progressive depopulation of the old center, coupled with the expansion of drug trafficking factions, have intensified the growth of violence and female homicide rates in the favelas of the historic core of João Pessoa, Brazil. The various experiences of violence create an atmosphere of fear in the daily life of the slums, determining the way how women shape their spatialities and temporalities in public spaces. This article discusses the influence of this atmosphere of violence on women's movements in the city, based on exploratory and semi-structured interviews with female workers and residents in the study area. The restrictions on social interaction and the development of urbanities experienced by women are not exclusively linked to confrontations between armed groups, but also a civil war climate, characterized by incivilities and citizen-to-citizen hostility, generating significant physical and psychological harms.

**KEYWORDS:** Violence. Gender. Civil War Climate. Appropriations. Public Space.

### RESUMO

O declínio econômico e esvaziamento progressivo do centro antigo, acompanhado da expansão de facções de tráfico de drogas, intensificaram o crescimento da violência e das taxas de homicídios femininos nas favelas do núcleo histórico de João Pessoa, Brasil. As diversas experiências de violência criam uma atmosfera de medo no cotidiano das favelas, determinando a experiência e a forma segundo a qual as mulheres moldam suas espacialidades e temporalidades nos espaços públicos. O presente artigo discute sobre a influência dessa atmosfera de violência nos movimentos femininos na cidade, através de entrevistas exploratórias e semiestruturadas, realizadas com trabalhadoras e moradoras do gênero feminino, na área de estudo. As restrições de convívio social e no desenvolvimento das urbanidades, vivenciadas pelas mulheres, não estariam exclusivamente vinculadas aos confrontos entre os grupos armados, mas a um clima de guerra civil, que se conforma nas incivildades e reações de ódio de cidadão contra cidadão, gerando impactos nocivos significativos de ordem física e psicológica.

**PALAVRAS-CHAVE:** Violência. Gênero. Clima de Guerra Civil. Apropriações. Espaço Público.

## PERIPHERAL SOCIAL HOUSING AND NEGATIVE URBAN ATMOSPHERES

## HABITAÇÃO SOCIAL PERIFÉRICA E ATMOSFERAS URBANAS NEGATIVAS

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### ABSTRACT

Space is more than a stage for society; it is a support for symbols, sensations, and exchanges, produced by humans and society, which in turn produce them. Studying the post-war housing complexes in France, Lefebvre (1968) points out that the materialistic production of housing does not satisfy all anthropological needs, aligning in part with Heidegger, who sees a crisis of dwelling, not just a housing crisis. For Lefebvre, dwelling implies social participation and urbanity or positive urban ambience. The right to the city seeks to recover the city/citizenship relationship, hindered by quantitative and standardized urban actions. In Brazil, the housing complexes of the Minha Casa Minha Vida program largely replicated peripheralization, resulting in housing with negative ambiances. Between 2012 and 2015, the LabCS at the Federal University of Santa Catarina developed a methodology to evaluate these spaces in terms of urban ambience. This article presents that methodology.

**KEYWORDS:** social housing. ambience. urbanity. right to the city. Florianópolis

### RESUMO

O espaço é mais do que um palco para a sociedade; é um suporte de símbolos, sensações e trocas, produzido pelo homem e pela sociedade, que também os produz. Ao estudar os conjuntos habitacionais construídos na França no pós-guerra, Lefebvre (1968) aponta que a produção materialista da habitação não satisfaz todas as necessidades antropológicas, alinhando-se em parte a Heidegger, que vê uma crise do habitar, não apenas habitacional. Para Lefebvre, habitar implica participação social e urbanidade ou ambiência urbana positiva. O direito à cidade busca recuperar a relação cidade/cidadania, prejudicada por ações urbanísticas quantitativas e padronizadas. No Brasil, os conjuntos habitacionais do programa Minha Casa Minha Vida replicaram, em grande parte, a periferização, resultando em moradias com ambiências negativas. Entre 2012 e 2015, o LabCS da Universidade Federal de Santa Catarina desenvolveu uma metodologia para avaliar esses espaços em termos de ambiência urbana. Este artigo apresenta a referida metodologia.

**PALAVRAS-CHAVE:** habitação social. ambiência. urbanidade. direito à cidade. Florianópolis



# L14

## OLFACTIVE DESIGN. THE BIRTH OF A DISCIPLINE

**CHAIR** Anna Barbara

The relationship between the sense of smell and many disciplines of design and architecture is nothing new. Odours are in the materials that build architecture, in the rituals that take place within, in people's activities, in people themselves. The sense of smell, by its evocative nature, builds invisible architecture within visible architecture. Sometimes these two buildings are coherent, and this produces pleasure, narrative, comfort; sometimes they are not, and this creates discomfort, disorientation, and even illness.

Places have smells, cities have smells. Joseph Rykwert used to say that when one of his students mentioned, for example, types of Greek architecture, he would ask him what the Greeks did in the building: what happened on the altar, for example, where cows, bulls and other animals were sacrificed.

The great masters of architecture have designed considering the olfactory matrix of their buildings: Richard Neutra, Alvar Aalto, Peter Zumthor, Herzog and De Meuron, Gigon and Guyer, Diller and Scofidio, Philippe Rahm, to name but a few.

We are at the dawn of an important new design discipline, that of olfactory design, which not only takes us into a dimension that is still partly to be explored and presided over, but which requires new skills, offers new professions and markets. A discipline that requires transversal and vertical skills capable of exploring an aesthetic beyond sight, an ethic beyond consumption, a sustainability of materials, a healthiness of indoor and outdoor air, a knowledge of the neurological and physiological impact of certain substances on our actions and emotional reactions.

Olfactive Design, explores aspects related to spaces, products, services, behaviours, experiences, interfaces and air qualities. It is a discipline whose main objective is not the scenting of environments, but the knowledge of the nature of the materials that are chosen to furnish an environment,

the movement of air in spaces, the temperature and humidity of these capable of conveying odours and volatile components.

It is a discipline made up of the integration of multiple skills in design, energy, chemistry, mechanics, neuroscience, art, perfumery, history, anthropology, ethnography, marketing, behavioural psychology, etc.

Olfactive Design is about designing a dynamic olfactory composition that redesigns the invisible architecture. In fact, designing with the sense of smell means building forms of invisible architecture in space, but also in time, because odours move naturally and artificially and change constantly. It is therefore not a question of choosing a fragrance diffuser, but of choosing the materials to be used in the project also for their olfactory qualities, deciding how to make the air that carries them move.

Olfactive design offers unlimited opportunities. A design practice that, despite being present in human history since ancient Egypt, can now become a discipline. The shift from perfumery and decoration to design has transformed it into an area of research and design in the contemporary world, far removed from cosmetics and environmental perfumery, integrated with digital technologies and sensitive to people's physiology.

## OSMOSPHERE AND OLFACTORY SURVEILLANCE: SMELL CONTROL IN THE AGE OF ATMOTERRORISM

## OSMOSFERA E VIGILÂNCIA OLFATIVA: O CONTROLO DO OLFAC TO NA ERA DO ATMOTERRORISMO

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### ABSTRACT

German philosopher Peter Sloterdijk in his book "Terror from the Air" (2002), speaks of the 20th century as a century in which physical wars were replaced by chemical wars, ushering in the era of terror from the air. Worldwide citizens live daily in the atmo-terrorism, present in the form of bacteriological and chemical hazards suspended in the air. Since the air we inhale is not neutral, nor is the breath we emit, the proposal is to explore the conflicts of air in the international political agenda through past and contemporary art projects that problematize the olfactory dimension of the climate crisis, opening environmental, economic and aesthetic short-circuits. The paper would like to consider the olfactory system, human and not, as 1-) a unit of measurement and monitoring of environmental toxicity and as 2-) a bio-political air analysis laboratory, starting with the amount of chemical data that can be extracted from it, at the service of surveillance capitalism.

**KEYWORDS:** Olfactive design. Environmental toxicity. Atmo-terrorism. Odour biometric control. Smell as biopolitical laboratory.

### RESUMO

O filósofo alemão Peter Sloterdijk no seu livro "Terror do Ar" (2002), fala do século XX como um século em que guerras físicas foram substituídas por guerras químicas, inaugurando uma era do terror do ar. Cidadãos em todo o mundo vivem diariamente no atmo -(terrorismo), presente sob a forma de perigos bacteriológicos e químicos suspensos no ar. Como o ar que respiramos não é neutro, nem a respiração que emitimos, a proposta é explorar os conflitos do ar na agenda política internacional através de projetos artísticos passados e contemporâneos que problematizam a dimensão olfativa de crise climática, abrindo curtos-circuitos ambientais, econômicos e estéticos. O documento pretende considerar o sistema olfativo, humano e não, como 1-) uma unidade de medida e monitoramento da toxicidade ambiental e como 2-) um laboratório de análise do ar bio-político, a partir da quantidade de dados químicos que podem ser extraídos dele, a serviço do capitalismo de vigilância.

**PALAVRAS-CHAVE:** Desenho olfativo. Toxicidade ambiental. Terrorismo atmosférico. Controlo biométrico. O cheiro como laboratório biopolítico.

## SPATIAL SMELL DESIGN STRATEGIES BY SCALES

## ESTRATÉGIAS DE DESIGN DE OLFATO ESPACIAL POR ESCALAS

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### ABSTRACT

This paper explores the integration of smell in architectural and urban design, highlighting its importance in everyday experiences of built spaces. It examines the role of olfaction through various spatial scales, with unique characteristics and implications. The role of spatiolfaction in urban planning, public spaces, and enclosed areas is delved into, proposing environmentally coherent approaches for odor management. Some challenges of incorporating odors into design are also discussed. Drawing from fieldwork and research, how diffused odors can influence spatial perception and the challenges of incorporating olfaction into design are explored. By examining the interplay between human activities and biotic odor sources, the paper proposes strategies for creating distinctive olfactory identities in urban environments. To advance the operationalization of olfactory thinking in architectural and urban projects, an integrated sensory design is advocated, offering insights into enhancing user experience and environmental identity through thoughtful space-olfactory design.

**KEYWORDS:** Spatiolfaction. Olfactory design. Sensory experience. Smellscape. Odor management

### RESUMO

Este trabalho explora a integração do olfato no desenho arquitetônico e urbano, destacando sua importância nas experiências cotidianas dos espaços construídos. Examina o papel do olfato através de várias escalas espaciais, com características e implicações únicas. O papel da espacialização no planejamento urbano, espaços públicos e áreas fechadas é aprofundado, propondo abordagens ambientalmente coerentes para o gerenciamento de odores. Alguns desafios de incorporar odores no design também são discutidos. A partir do trabalho de campo e da pesquisa, são explorados como os odores difusos podem influenciar a percepção espacial e os desafios de incorporar o olfato no design. Ao examinar a interação entre as atividades humanas e as fontes de odor biótico, o artigo propõe estratégias para a criação de identidades olfativas distintas em ambientes urbanos. Para avançar a operacionalização do pensamento olfativo em projetos arquitetônicos e urbanos, um design sensorial integrado é defendido, oferecendo insights sobre a melhoria da experiência do usuário e da identidade ambiental através do design espaço-olfativo pensativo.

**PALAVRAS-CHAVE:** Spatiolfaction. Design olfativo. Experiência sensorial. Smellscape

## OLFACTIVE DESIGN. THE BIRTH OF A DISCIPLINE

### DESIGN OLFATIVO. QUANDO NASCE UMA DISCIPLINA

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#### **ABSTRACT**

The relationship between the sense of smell and many disciplines of design and architecture is nothing new. Odors are in the materials that build architecture, in the rituals that take place within, in people's activities, in people themselves. We are at the dawn of an important new design discipline, that requires transversal and vertical skills capable of exploring an aesthetic beyond sight, an ethic beyond consumption, a sustainability of materials, a healthiness of indoor and outdoor air, a knowledge of the neurological and physiological impact of certain substances on our actions and emotional reactions. Olfactive Design explores aspects related to spaces, products, services, behaviors, experiences, interfaces, and air qualities. It is a discipline made up of the integration of multiple skills in design, energy, chemistry, mechanics, neuroscience, art, perfumery, history, anthropology, ethnography, marketing, behavioural psychology, etc.

**KEYWORDS:** olfactive. design. behaviors. spaces. architecture. ambiances.

#### **RESUMO**

A relação entre o sentido do olfato e muitas disciplinas do design e da arquitetura não é nova. Os odores estão nos materiais que constroem a arquitetura, nos rituais que nela se desenrolam, nas actividades das pessoas, nas próprias pessoas. Estamos no início de uma nova e importante disciplina de design, que requer competências transversais e verticais capazes de explorar uma estética para além da visão, uma ética para além do consumo, uma sustentabilidade dos materiais, uma salubridade do ar interior e exterior, um conhecimento do impacto neurológico e fisiológico de certas substâncias nas nossas acções e reacções emocionais. O Design Olfativo explora aspectos relacionados com espaços, produtos, serviços, comportamentos, experiências, interfaces e qualidades do ar. É uma disciplina composta pela integração de múltiplas competências em design, energia, química, mecânica, neurociência, arte, perfumaria, história, antropologia, etnografia, marketing, psicologia comportamental, etc.

**PALAVRAS-CHAVE:** design. olfativo. comportamentos. espaços. arquitetura. ambientes.

## OLFACTIVE DESIGN AS A TOOL FOR IMPROVING SPATIAL ORIENTATION THROUGH NON-VISUAL ARCHITECTURAL LANDMARKS

## O DESIGN OLFATIVO COMO FERRAMENTA PARA MELHORAR A ORIENTAÇÃO NO ESPAÇO MEDIANTE A UTILIZAÇÃO DE MARCOS

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### ABSTRACT

This paper aims to explore the potential use of Olfactive Design in the process of creation of non-visual architectural landmarks in order to facilitate spatial orientation. The relatively new discipline of Olfactive Design focuses on the intentional use of scents within architecture and its impact on the well-being of its users. This paper aims to discuss whether architects and urban planners have the possibility of using smells intentionally in order to create more points of reference that could facilitate the creation of long-lasting mental maps.

**KEYWORDS:** olfactive. wayfinding. architecture. memory. orientation.

### RESUMO

Com este trabalho se tenciona explorar o uso potencial do Design Olfativo no processo de criação de marcos arquitetónicos não visuais com o objetivo de facilitar a orientação espacial. A relativamente nova disciplina do Design Olfativo, foca-se no uso intencional de cheiros na arquitetura e no impacto das mesmas no bem-estar dos seus utentes. Este trabalho, portanto, tem como objetivo discutir a possibilidade que arquitetos e planificadores urbanos tenham a possibilidade de utilizar cheiros com a intenção de criar mais pontos de referência que possam facilitar a criação de mapas mentais persistentes.

## BRINGING THE MATERIAL CULTURE OF SCENTS TO ARCHITECTURAL DESIGN.

### MATERIAIS AROMÁTICOS: TRAZENDO A CULTURA MATERIAL DOS AROMAS PARA O PROJETO ARQUITETÔNICO

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#### ABSTRACT

Scents can have strong impact on human experiences in architecture. The impact can be multifaced. Certain scents are used in therapy practices to reduce anxiety and stress. Scent interventions are also used in museums to evoke imaginations of history and stories embedded in text, objects and paintings. Embedding scents in architecture has however stayed as non-physical interventions, meaning through scenting devices. Rather than taking scents as intangible and invisible elements, this paper explores the material culture of scents in architectural practices. Taking the "Pepper Chamber" in China as an example, a series of prototypes of the peppery wall material is made by authors. Reflecting on the process and outcomes, we suggest a framework to appraise and explore scent(ed) materials through scentability, aroma-profiles and scentonics. We also suggest scentboard as a tool to facilitate the material practice of scents in architecture. The discussion suggests future research into wider cultural uses of scented materials for therapeutic purposes for responsible room scenting solutions.

**KEYWORDS:** scented materials. architecture. cultural uses. design. olfactory art. indigenous knowledge.

#### RESUMO

Os aromas podem ter um forte impacto na experiência humana de arquitetura. Esse impacto pode ser multifacetado. Certos aromas são usados em práticas terapêuticas para reduzir a ansiedade e o stress. Intervenções olfativas também são utilizadas em museus para evocar a imaginação da história e de histórias incorporadas em textos, objetos e pinturas. A incorporação de aromas na prática arquitetônica, no entanto, tem-se reduzido a intervenções não físicas, ou seja, através de dispositivos aromatizantes. Em vez de considerar os aromas como elementos intangíveis e invisíveis, este artigo explora a cultura material dos aromas em práticas arquitetônicas. Tomando como exemplo a "Câmara de Pimenta" na China, os autores criaram uma série de protótipos de materiais de parede apimentados. Refletindo sobre o processo e os resultados, sugerimos que aparelhos de materiais perfumados devam incluir aromatização, perfis aromáticos e scentonics. Um quadro de aromas pode ser usado para facilitar o uso de aromas em arquitetura através de práticas materiais inovadoras. A discussão sugere uma pesquisa futura sobre usos culturais mais amplos de materiais perfumados para fins terapêuticos para soluções responsáveis de aromatização de ambientes.

**PALAVRAS-CHAVE:** materiais aromatizados. arquitetura. usos culturais. projeto. arte olfativa. conhecimento autoctone.

## THE SMELLS OF THINGS: THE THINGS OF SMELLS

## OS CHEIROS DAS COISAS: AS COISAS DE CHEIRO

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### **ABSTRACT**

This text addresses the site-specific installation «The Smells of Things: The Things of Smell” (2019), installed at the Casa Cora Coralina Museum on the banks of the Vermelho River in the city of Goiás, Brazil. The proposal was to articulate the sense of smell as an operator of the dialogue with the poems of Brazilian writer Cora Coralina in the constitution of encounters with/between objects and spaces. The ways of inhabiting the house are revealed through the olfactory cartography of everyday life, while the smells are loaded with memories that persist in us. They constitute subjectively. The impossibility of containing them in defined and controlled contexts and our ability to adapt structure the poetic intention at the same time as they challenge the creation of realities.

**KEYWORDS:** art and technology. art and design. olfactory landscape. affective memory.

### **RESUMO**

Este texto aborda a instalação site-specific «Os cheiros das coisas: as coisas de cheiro” (2019), instalada no Museu Casa Cora Coralina, às margens do rio Vermelho na cidade de Goiás, Brasil. A proposta foi articular o sentido do olfato como operador do diálogo com os poemas da escritora brasileira Cora Coralina, na constituição de encontros com/entre objetos e espaços. Os modos de habitar a casa desvelam-se pela cartografia olfativa da cotidianidade, enquanto os cheiros são carregados de memórias, que persistem e nos constituem subjetivamente. A impossibilidade de contê-los em contextos definidos e controlados e a nossa capacidade de adaptação estruturam a intenção poética ao mesmo tempo que desafiam o fazer criar realidades.

**PALAVRAS-CHAVE:** arte e tecnologia. arte e design. paisagem olfativa. memória afetiva.



## PHYTOTHERAPEUTIC LANDSCAPE: AN OLFACTORY ARCHITECTURAL DESIGN TOOL

### PAISAGISMO FITOTERÁPICO: UMA FERRAMENTA DO PROJETO DE ARQUITETURA OLFATIVO

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#### ABSTRACT

The Olfactory Project in architecture combines aromachology, phytotherapy, and neuroscience applied to create aesthetically pleasing spaces that also promote the emotional and cognitive well-being of occupants through strategic aromas. Aromas influence sensory experience and mental state, improving mood, reducing stress, and increasing concentration. Data from WHO (2022) highlight that one in twenty-four people worldwide faces emotional disorders like depression, which can be mitigated with appropriate stimuli. Integrating phytotherapy species into landscaping, the project aims to create healthy environments. Neuroarchitecture provides strategies to understand how aromas affect the brain and shape spatial experiences. This article presents a case study of medicinal landscaping in a residence in Brasília.

**KEYWORDS:** Olfactory Project, Medicinal Landscaping Project, Neuroarchitecture, Smell, Brasilia.

#### RESUMO

O Projeto Olfativo na arquitetura combina aromacologia, fitoterapia e neurociência aplicada para criar espaços esteticamente atraentes e que promovam o bem-estar emocional e cognitivo dos ocupantes através de aromas estratégicos. Aromas influenciam a experiência sensorial e o estado mental, melhorando o humor, reduzindo o estresse e aumentando a concentração. Dados das Nações Unidas (WHO, 2022) destacam que uma em cada vinte e quatro pessoas no mundo enfrenta distúrbios emocionais como a depressão, que podem ser mitigados com estímulos adequados. Integrando espécies da fitoterapia ao paisagismo, o projeto visa criar ambientes salutaros. A Neuroarquitetura fornece estratégias para entender como aromas afetam o cérebro e moldam a experiência dos espaços. Este artigo apresenta um estudo de caso de paisagismo medicinal em uma residência em Brasília.

**PALAVRAS-CHAVE:** Projeto Olfativo, Projeto de Paisagismo Medicinal, Neuroarquitetura, Olfato, Brasília.



# L16

## POLITICISING AMBIANCES IN A TURBULENT WORLD

**CHAIRS** Damien Masson  
Rachel Thomas

In a world marked by multiple concerns and disrupted by recurring crises – pollution of inhabited environments, threats to biodiversity, social and moral panics, terrorism, natural disasters, the growing weight of technology, etc. – the question arises of their effects on the ways of being and living together, and on ordinary urban atmospheres. These new and more frequent changes affects mundane urban life, altering our states of body and arousing different affects and emotions. How do atmospheres witness these changes, and how are they also used, engendered, and even politically employed, as forces and powers, for their capacity to include or exclude, to seduce or repel? How can we describe ambiances whose powers exceeds atmospheric phenomenality? How can we grasp and understand the forces that drive them? How can we think ambiances as social and political constructs?

As well as describing real-life situations, atmospheres convey the social, historical and cultural climate in which they are embedded. The aim of this session is to discuss the methodological, theoretical and practical issues arising from the politicisation of atmospheres. How can we capture and describe the changes at work, most of which are long, ongoing and unfinished processes that also involve complex socio-political issues? How can paying attention to the socio-political dimension of ambiances contribute to a critical reflection on the sensory future of the urban world?

We invite papers that address the above points within themes (non-exhaustive list) including:

What are the effects of the power of ambiance on bodies and sensibilities?

Which role(s) play ambiances in creating situations of unrest, symbolic violence and marginalization? How do they contribute to the creation of "sidelining"?

What are the political uses of ambiances/atmospheres?

How are contemporary upheavals (social, ecological, technological, etc.) contributing to redefining the issues and methods involved in research on ambiances?

What research methods can be used to conduct sensitive and political investigations?

What could be an ambiance/atmosphere-based critique? What could be the objects of this ambiance/atmosphere-based critique?

## AMBIENCES OF OTHERNESS. TRANSCENDING NEOLIBERAL URBAN ENCLOSURES THROUGH AFFECTIVE ATMOSPHERES IN THESSALONIKI METROPOLITAN AREA

## AMBIENTES DE ALTERIDADE. TRANSCENDER OS RECINTOS URBANOS NEOLIBERAIS ATRAVÉS DE ATMOSFERAS AFECTIVAS NA ÁREA METROPOLITANA DE SALÔNICA

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### ABSTRACT

This paper aims to highlight the transformative potentialities that the embodied experiences of subjects of otherness create through emerging urban ambiances in the city of Thessaloniki. The notion of urban ambience concerns the aesthetic experiences, sensory perceptions, and social practices grounded to the urban terrain. Focusing on the practices that are enacted in the urban field, the aim of our study is to explore and highlight an affective ambience of care and solidarity unfolding in various places of the city. The aforementioned issues are explored through an ethnographic case study in the first pier of Thessaloniki's port. By looking at migration-related questions in current exclusionary border and migration regimes, as well as critically standing towards neoliberal gentrification policies, our research aims to bring into light all those politicized and transformative aspects of urban ambiances of the subjects of otherness that reclaim the right to the city.

**KEYWORDS:** Urban ambience, Affective atmospheres, Neoliberal urban enclosures, Otherness, Right to the city.

### RESUMO

Este artigo busca destacar os potenciais transformativos que as experiências corpóreas dos sujeitos da alteridade criam através das ambiências urbanas na cidade de Salônica [Tessalônica]. Focando nas práticas constituídas no espaço urbano, o objetivo do nosso estudo é explorar e destacar as ambiências afetivas de cuidado e solidariedade que se desdobram em vários lugares da cidade. Os assuntos mencionados acima são explorados através de um estudo de caso etnográfico no primeiro píer do porto de Salônica [Tessalônica]. Observando as questões relacionadas à migração na atual fronteira excludente e as políticas migratórias, bem como posicionando criticamente frente às políticas neoliberais gentrificantes, nossa pesquisa busca elucidar todos estes aspectos transformativos e politizados das ambiências urbanas recuperam o direito à cidade.

**PALAVRAS-CHAVE:** Ambiência urbana, Atmosferas afectivas, Recintos urbanos neoliberais, Alteridade, Direito à cidade.

## CARNIVAL STAGING AND ON STAGE: AMBIENCES IN DISPUTE ON THE STREETS OF BELO HORIZONTE

### CARNAVAL ENCENA E EM CENA: AMBIÊNCIAS EM DISPUTA NAS RUAS DE BELO HORIZONTE

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#### **ABSTRACT**

This article presents an analysis of the atmospheres of Belo Horizonte's street carnival based on the aesthetics of ambiances in the process of appeasement of the party. Therefore, it highlights a brief history of the movement, in order to elucidate the roots of the struggle and the developments of the celebration in the last years. The proposal, which looks like criticism, takes shape from the contrasting situation that highlights the playful, creative and didactic power of carnival ambiances simultaneously with the risks of its commodification. The construction was based on a literature review, triangulated through interviews and collection of official information from the municipal public authorities. As a result, points of attention stand out for the next carnivals, as well as questions about the future of cultural events in the city of Belo Horizonte.

**KEYWORDS** : aesthetics of ambiances. appeasement urbanity. street carnival. Belo Horizonte.

#### **RESUMO**

O presente artigo apresenta uma análise das ambiências do carnaval de rua de Belo Horizonte a partir da estética das ambiências em processo de apaziguamento da festa. Para tal, evidencia um breve histórico do movimento, de modo a elucidar as raízes de rua e de luta e os desdobramentos do festejo nos últimos anos. A proposta, que tem ares de crítica, toma forma a partir da situação contrastante que evidencia uma potência lúdica, criativa e didática das ambiências carnavalescas simultaneamente aos riscos de sua mercantilização. A construção se deu a partir da revisão de literatura, triangulada por meio da realização de entrevistas e coleta de informações oficiais do poder público municipal. Como resultados evidenciam-se pontos de atenção para os próximos carnavais além de questionamentos sobre o futuro da manifestação cultural na cidade de Belo Horizonte.

**PALAVRAS-CHAVE:** estética das ambiências. apaziguamento das cidades. carnaval de rua. Belo Horizonte.

## POLITICISING AMBIANCES IN A TURBULENT WORLD

## POLITIZAR AMBIÊNCIAS NUM MUNDO TURBULENTO

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### ABSTRACT

In a world marked by multiple concerns and disrupted by recurring crises – pollution of inhabited environments, threats to biodiversity, social and moral panics, terrorism, natural disasters, the growing weight of technology, etc. – the question arises of their effects on the ways of being and living together, and on ordinary urban atmospheres. These new and more frequent changes affect mundane urban life, altering our states of body and arousing different affects and emotions. How do atmospheres witness these changes, and how are they also used, engendered, and even politically employed, as forces and powers, for their capacity to include or exclude, to seduce or repel, count among the many questions we intend to discuss in this panel.

**KEYWORDS:** Ambiances. Social, environmental and political change.

### RESUMO

Num mundo marcado por múltiplas preocupações e perturbado por crises recorrentes - poluição dos meios habitados, ameaças à biodiversidade, pânico sociais e morais, terrorismo, catástrofes naturais, peso crescente da tecnologia, etc. - coloca-se a questão dos seus efeitos sobre os modos de ser e de viver em conjunto, e sobre as atmosferas urbanas comuns. Estas novas e mais frequentes mudanças afetam a vida urbana quotidiana, alterando os nossos estados de corpo e suscitando diferentes afectos e emoções. Como é que os ambientes testemunham estas mudanças, e como é que são também usados, engendrados, e até politicamente empregues, como forças e poderes, pela sua capacidade de incluir ou excluir, de seduzir ou repelir, são algumas das muitas questões que pretendemos discutir neste painel.

**PALAVRAS chave:** Ambiências. Mudança social, ambiental e política.

## THE VOLTE OF THE AMBIANCES, THEIR TAKEOVER BY THE COMMON

### A VOLTA DAS AMBIÊNCIAS, A SUA TOMADA DE CONTROLO PELO COMUM

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#### ABSTRACT

Ambivalence in ambiances, which can be placed under the sign of downward forces of objectification or experienced as a power of subjectivation and emancipation, to refer to Deleuze, questioning the notion of device. Now is the time to update a critique of ambiances, when the panoptic prism of spatial surveillance is behind us and more subtle emanations are emerging. We begin by distinguishing between different political characterizations of these phenomena, before analyzing the ways in which they are taken in hand by residents. Who controls the ambiance? This is the question underpinning the present reflection, which could in turn condition the different meanings of the notion of comfort. Should we be satisfied with a sensory prescription (associated with the guarantee of a fixed enclosure) or is it a matter of freely varying the registers of the sensitive (by emphasizing the variations of the in-common)?

**KEYWORDS:** ambiance. common. discretion. empowerment. control.

#### RESUMO

A ambivalência das ambiências, que podem ser colocadas sob o signo de forças descendentes de objetivação ou vividas como uma potência de subjetivação e emancipação, para nos referirmos a Deleuze, questionando a noção de dispositivo. É agora o momento de atualizar uma crítica das ambiências, quando o prisma panótico da vigilância espacial está ultrapassado e emergem emanações mais subtis. Começamos por distinguir entre diferentes caracterizações políticas destes fenómenos, antes de analisarmos as formas como são tomados em mãos pelos residentes. Quem controla o ambiente? É esta a questão que está na base da presente reflexão e que pode, por sua vez, condicionar os diferentes significados da noção de conforto. Devemos contentar-nos com uma prescrição sensorial (associada à garantia de um recinto fixo) ou trata-se de fazer variar livremente os registos do sensível (acentuando as variações do comum)?

**PALAVRAS-CHAVE:** ambiente. comum. discrição. capacitação. controlo.



## NAVIGATING MIGRATORY SPACES: RESISTANCE AND BELONGING PRACTICES IN BERLIN

## NAVEGANDO ESPAÇOS MIGRATÓRIOS: PRÁTICAS DE RESISTÊNCIA E PERTENCIMENTO EM BERLIM

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### ABSTRACT

This article investigates how the politicization of migrants' everyday experiences configures social and political spaces of belonging by examining resistance practices in Berlin. Drawing on feminist theory, the study explores the political dimensions of migrants' bodies and their capacities for self-emancipation. It highlights how historical marginalization processes impact migrants' lives while recognizing migrant's subversive micropolitical actions. Through ethnographic research, including unstructured interviews with four migrant residents of Neukölln (Berlin), the study reveals how the urban experience of migrants can challenge their sense of belonging — but also how collective practices can empower migrants by enabling the politicization of their everyday life struggles. Ultimately, the study indicates that migrants can foster a deeper sense of belonging and affirm their agency by politicizing everyday life experiences.

**KEYWORDS:** migratory spaces. resistance. belonging. everyday life. Berlin.

### RESUMO

Este artigo investiga práticas de resistência e como a politização das experiências cotidianas dos migrantes configura espaços de pertencimento social e político em Berlin. Baseando-se na teoria feminista, o estudo explora as dimensões políticas dos corpos dos migrantes e suas capacidades de autoemancipação. Destaca ainda como os processos históricos de marginalização impactam a vida dos migrantes, ao mesmo tempo que reconhece as ações micropolíticas subversivas dos migrantes. Através de pesquisa etnográfica, incluindo entrevistas não-estruturadas com quatro ativistas em Neukölln (Berlim), o estudo revela como a experiência urbana dos migrantes pode desafiar seu senso de pertencimento – mas também, como práticas coletivas podem empoderar os migrantes ao possibilitar a coletivização de suas lutas. Por último, o estudo indica que os migrantes podem promover um senso mais profundo de pertencimento e afirmar sua agência ao politizar suas experiências cotidianas.

**PALAVRAS chave:** espaços migratórios. resistência. pertencimento. vida cotidiana. Berlim.

## LISTENING TO WAR. ORDINARY SENSORY EXPERIENCE IN WAR-TIME UKRAINE

## EXPERIÊNCIA SENSORIAL ORDINÁRIA EM TEMPO DE GUERRA NA UCRÂNIA

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### ABSTRACT

Different types of sounds have been the basis of many accounts of the war experience and ambiance in human history. At present in Ukraine, artists and sound engineers, like many other civilians, have been collecting a lot of sound material in the war that Russia has been waging since February 22 in Ukraine. The presentation will feature work by sound professional with whom I have been collaborating since 2016. His sounds help us to document the war in progress and its ongoing effects on everyday life. There are many topics concerning the sensitive experiences of war and war ambiance, related to the destruction of urban landscapes, territorialities, cities, neighborhoods, habitats, historical and cultural heritage, milieux and ecosystems.

**KEYWORDS:** War. Ukraine. Soundscape. Silence. Documentating.

### RESUMO

Diferentes tipos de sons têm sido a base de muitos relatos sobre a experiência e o ambiente de guerra na história da humanidade. Atualmente, na Ucrânia, artistas e engenheiros de som, como muitos outros civis, têm vindo a recolher muito material sonoro da guerra que a Rússia tem vindo a travar desde 22 de fevereiro na Ucrânia. A apresentação contará com trabalhos de profissionais do som com quem tenho vindo a colaborar desde 2016. Os seus sons ajudam-nos a documentar a guerra em curso e os seus efeitos na vida quotidiana. Há muitos tópicos relacionados com as experiências sensíveis da guerra e do ambiente de guerra, em conjunto com a destruição de paisagens urbanas, territorialidades, cidades, bairros, habitats, património histórico e cultural, ambientes e ecossistemas.

**PALAVRAS chave:** Guerra. Ucrânia. Soundscape. Silêncio. Documentar.

## **“IT’S SO EASY TO LIVE HERE” : SENSORIAL MAPPING AND CRITICAL ETHNOGRAPHY OF MARGINALIZATION, PLACE-ATTACHMENT AND AGENCY IN ITTOQQORTOORMIIT (KALAALLIT NUNAAAT, GREENLAND)**

## **“É TÃO FÁCIL VIVER AQUI” : MAPEAMENTO SENSORIAL E ETNOGRAFIA CRÍTICA DA MARGINALIZAÇÃO, APEGO AO LUGAR E AGÊNCIA EM ITTOQQORTOORMIIT (KALAALLIT NUNAAAT, GRONELÂNDIA)**

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### **ABSTRACT**

“It’s so easy to live here.” This singular phrase was captured many times in the remote Arctic town of Ittoqqortoormiit (Kalaallit Nunaat, Greenland). This contrasts with the harshness described in literature and history, where mapping was a crucial tool for the Danish settlers to gain sovereignty over east coast of Kalaallit Nunaat. Throughout four critical ethnographic fieldworks in the Arctic town of Ittoqqortoormiit between 2021 and 2023, we mobilized a narrative-centered transdisciplinary approach aiming at supporting marginalized voices and contributing to process of empowerment. In this contribution, we propose to extend the framework of critical ethnography by mobilizing sensorial mapping to reiterate voices pushed in the margins. By allying ethnographic research and artistic map, we contribute to the articulation between large-scale and place-based dynamics as experienced locally. It also provides space for the representation of placeattachment and belonging, relationships with other-than-humans and territorial agency, and not least indigenous place-naming.

**KEYWORDS:** sensorial mapping, lived experience, critical ethnography, marginalization, agency.

### **RESUMO**

“É tão fácil viver aqui”. Essa frase singular foi capturada muitas vezes na remota cidade de Ittoqqortoormiit (Kalaallit Nunaat, Groenlândia). Isso contrasta com a dureza descrita do Ártico, onde o mapeamento foi uma ferramenta crucial para os colonizadores dinamarqueses conquistarem a soberania sobre a costa leste de Kalaallit Nunaat. Ao longo de quatro trabalhos de campo de etnografia crítica, mobilizamos uma abordagem transdisciplinar centrada na narrativa com o objetivo de apoiar vozes marginalizadas e contribuir para o processo de empoderamento. Nesta contribuição, propomos estender a estrutura da etnografia crítica mobilizando o mapeamento sensorial para reiterar as vozes empurradas para as margens. Contribuímos para a articulação entre a dinâmica de larga escala e a dinâmica baseada no local. Isso também oferece espaço para a representação do apego e do pertencimento ao lugar, das relações com outros seres humanos e da agência territorial e, não menos importante, da nomeação de lugares indígenas.

**PALAVRAS chave:** mapeamento sensorial, experiência vivida, etnografia crítica, marginalização, agência.



## L17

# SAD ATMOSPHERES AND DESPAIRING CITIES

**CHAIRS**    **Marc Breviglieri**  
                   **Paul Bai**  
                   **Lucia Bordone**  
                   **Nicole Peccoud**

This session will look at sad and gloomy emotional registers, rarely highlighted in the literature on urban ambiances. Yet the experience of cities frequently takes on an intimately unhappy affective coloring for its visitors or inhabitants. In this session, we'd like to focus on "urban sadness", an ordinary mood that can be seen as a powerful witness to the affective knots that bind us to cities. In this session, we'd like to examine how and to what extent these attachments are affected by the convergence of architectural, meteorological and affective dimensions. Gloomy moods, cold architectures and grayish, rainy climates, for example, maintain connecting paths that see the city unfold in a certain tone: sad, gloomy and dreary.

In this session, we'd like to look at some of the issues surrounding urban transformations and their possible perceived brutality. In every process of transformation, a perspective on the future slips away, putting to the test the reserve of promises and expectations that the city inherently holds. A way of living in and depending on the city is inevitably stripped of its meaning, leading to the sad impression of losing oneself in this absence.

At first glance, a number of urban transformations that alter the way people live appear to be relevant to the idea of communicating "sad atmospheres": desolate landscapes, disused buildings, the disappearance of familiar shops, the devastation or closure of public gardens, the elimination of popular viewpoints and byways, the privatization of public spaces, the proliferation of monotonous buildings, the invasion of tourism, the excessive standardization of urban design, the dulling of folklorized festive events, etc.

More broadly, the challenge of this session is to take seriously a subtle feeling - sadness - that draws on and spills over into the urban environment. By resonating intimately, it allows us to depict, against an obscure background, a certain relational and sensitive power of the city that is difficult to reduce to a measurable property. This darker face of the city thus goes beyond the ill-

identified in the usual urban diagnoses that point to objective nuisances: technical dysfunction, infrastructural inadequacy, conflicts of use, lack of safety or hygiene. Instead, our session focuses on the deep-rooted feelings inspired by the personality of cities, leaving visitors and residents in a troubled, reflective state, marked by a darkening of mood and sometimes a form of painful apathy. Whether tending towards the poles of despair, spleen, gloom or melancholy, urban sadness is a sensitive indicator of certain atmospheric qualities that cities exude.

Papers can be presented in a variety of formats: purely analytical reflections, presentations of field notebooks, readings of filmic or photographic images, musical, danced or poetic performances. The session will focus on a comprehensive approach to the sources and manifestations of "urban sadness". It will focus on the fact that sadness is a possible vehicle for inspiration emanating from the city.

## “AS IF IT HAD ONLY BEEN A DREAM”. LISTEN CAREFULLY TO THE TWINGE OF SADNESS THANKS TO SOUND ETHNOGRAPHY.

**PAUL BAI**

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### ABSTRACT

“As if it had only been a dream”. Listen carefully to the twinge of sadness thanks to sound ethnography. (“Comme si cela n’avait été qu’un songe”. Se mettre à l’écoute du pincement au cœur à travers une ethnographie sonore). This paper will look back at the abrupt end of an emblematic urban agriculture project in the hinterland of railway stations in northern Paris. Focusing our discussion on the different levels of attachment of the members of the association responsible for the project, we hope to examine how the loss of a familiar urban landscape leads to a feeling of sadness among those who have known it. With this disappearance as a starting point, we’ll try to describe the atmosphere of Jane Jacobs’ famous “borders vacuums”. On 12 December 2022, on the Fermiers Généreux Whatsapp group, which brings together salaried members of the Vergers Urbains association, volunteers and residents of the La Chapelle district, I read a terse message: “goodbye”, followed by “it’s the end of the FG”, at 10.52pm... After several days of silence, a volunteer commented: “last week I saw what ‘the end of the Fermiers Généreux meant. In fact, there’s nothing left, as if it had all just been a dream. The Fermiers Généreux project may have fallen victim to this policy of a clean slate, but the idea of the garden as a source of nourishment, combined with the ideal of a “street kitchen” opening onto a public space capable of creating a society of neighbours, is still alive and well. Indeed, a number of similar initiatives have sprung up in recent years, certainly seeking to enhance the appeal of a city where what lives there spills over and encroaches on the public space in small ways, thereby helping to re-enchant it. The paper will be based on a sound ethnography geared towards the twinge of sorrow, seeking to convey the emotional power of the disappearance of a part of the city where the memory of the aborted project remains.

**KEYWORDS:** Sound ethnography, urban agriculture, disappearance, attachments, sad atmospheres.

## VACANT INDUSTRIAL SPACES AS PLACES WHERE MELANCHOLY IS INSCRIBED: BETWEEN MEMORY AND IMAGINATION.

## ESPAÇOS INDUSTRIAIS VAGOS COMO ESPAÇOS ONDE A MELANCOLIA SE INSCREVE: ENTRE A MEMÓRIA E A IMAGINAÇÃO

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### **ABSTRACT**

In this communication, we will try to touch on some points of the arc that articulates memory and imagination about vacant industrial spaces, through a double device: on the one hand, recovering the visions of a group of interviewees about an industrial space in transition, a space of their working memories and whose transformation they were facing at the time of the interviews we made with them, at the beginning of the 21st century (2002-2003); on the other hand, introducing imagery elements, through photography, about this space today, as well as some of its uses. In the end, we will try to characterise, albeit exploratorily, some of the ways and means by which these vacant industrial spaces become a reference, either on a mnemonic level or on an imaginary level - depending on the dominant orientation in each case -, towards the rooting of a melancholic vision of them.

**KEYWORDS:** vacant spaces. industrial spaces. memory. imagination. melancholy.

### **RESUMO**

Nesta comunicação tentaremos tocar em alguns pontos do arco que articula memória e imaginação sobre espaços industriais devolutos, através de um duplo dispositivo: por um lado, recuperando as visões de um grupo de entrevistados sobre um espaço industrial em transição, um espaço de suas memórias de trabalho e cuja transformação enfrentavam no momento em que foram entrevistados, no início do século XXI (2002-2003); por outro lado, introduzindo elementos imagéticos, através da fotografia, sobre este espaço hoje, bem como alguns dos seus usos. No final, tentaremos caracterizar, ainda que de forma exploratória, algumas das formas e meios pelos quais estes espaços industriais devolutos se tornam uma referência, quer a nível mnemónico, quer a nível imaginário - dependendo da orientação dominante em cada caso -, rumo ao enraizamento de uma visão melancólica deles.

**PALAVRAS chave:** espaços vagos. espaços industriais. memória. imaginação. melancolia.



## **“THE ATMOSPHERE HERE IS SAD, IT’S LIFELESS”. THE SMART BUILDING, A DESPAIRING VISION OF FUTURE ECO-CITIES**

## **“A ATMOSFERA AQUI É TRISTE, NÃO TEM VIDA”. O EDIFÍCIO INTELIGENTE, UMA VISÃO DESESPERADA DAS FUTURAS ECO-CIDADES**

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### **ABSTRACT**

This paper analyses the atmosphere of a smart building at the Université de Lille. It describes the sad atmosphere of this building: lack of air, predominant role of machines over which users have no control, lack of conviviality, dull colours, etc. Based on these descriptions, the paper envisages the ecological cities of the future based on the smart building model, with the despairing prospect of cities disconnected from their environment and their inhabitants, in order to consume less energy.

**KEYWORDS:** Smart building. Conviviality. Normalization. Technology. Sadness.

### **RESUMO**

Este artigo analisa o ambiente de um edifício inteligente de uma universidade de Lille. Ele descreve a triste atmosfera deste edifício: falta de ar, papel predominante das máquinas sobre as quais os utilizadores não têm qualquer controlo, falta de convívio, cores baças, etc. Com base nestas descrições, o artigo imagina as cidades ecológicas do futuro baseadas no modelo de edifício inteligente, com a perspetiva desesperada de cidades desligadas do seu ambiente e dos seus habitantes para consumir menos energia.

**PALAVRAS-CHAVE:** Smart building. Convivialidade. Normalização. Tecnologia. Tristeza.

## VARIATIONS OF SADNESS: ATMOSPHERES OF RETAIL VACANCIES IN THE PEDESTRIAN ZONE OF A GERMAN CITY CENTRE

## VARIAÇÕES DE TRISTEZA: ATMOSFERAS DE ESPAÇOS COMERCIAIS NA ZONA PEDONAL DE UM CENTRO URBANO ALEMÃO

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### **ABSTRACT**

This contribution focuses on the atmospheres of a pedestrian zone in a medium-sized German town (Bad Bergzabern) that is strongly characterised by retail vacancies. In Germany and France, the centres of cities in this category are particularly characterised by vacancy, so that the atmosphere of vacancy described in the following should not be seen as an isolated case. The presentation refers to the results of an exploratory empirical study, which is based on the method of *parcours commentés* and an autoethnographic exploration. Sadness emerged as a central characteristic of the atmospheres of the pedestrian zone characterised by vacancy. The paper will show that a sad atmosphere of vacancy can be manifested in different ways, and how it can be so manifested. It will first be characterised as a typical urban atmosphere. Building on this, it will be shown how it can take on different intensities.

**KEYWORDS:** atmosphere. sadness. retail vacancies. city centre. aversion. acceleration.

### **RESUMO**

Esta contribuição centra-se nos ambientes de uma zona pedonal de uma cidade alemã de média dimensão (Bad Bergzabern), fortemente caracterizada por espaços comerciais vazios. Na Alemanha e em França, os centros desta categoria de cidades são particularmente caracterizados por espaços vazios, pelo que a atmosfera de espaços vazios descrita a seguir não deve ser um caso isolado. A apresentação refere-se aos resultados de um estudo empírico exploratório, que se baseia no método de *parcours commentés* e numa exploração autoetnográfica. A tristeza surgiu como uma característica central das atmosferas da zona pedonal caracterizada pela desocupação. O artigo mostrará que uma atmosfera triste de vazio pode manifestar-se de diferentes formas e como se pode manifestar. Em primeiro lugar, será caracterizada como uma atmosfera urbana típica. A partir daí, mostrar-se-á como pode assumir diferentes intensidades.

**PALAVRAS-CHAVE:** atmosfera. tristeza. vagas de retalho. centro da cidade. aversão. aceleração.

## ANAPHORE DE LA PERTE. ATTENDRE QUE LE VENT SE LÈVE (ANAPHORA OF LOSS. WAITING FOR THE WIND TO RISE).

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### ABSTRACT

In September 2023, the “Galiffe” reception area for the mentally fragile left its premises, abandoning the meticulously tended and pampered adjoining garden. The soil and lush vegetation that sheltered the wooden huts that gave hospitality to so many people every day were soon to be demolished, to make way for a vast extension to the railway station, designed to ensure smooth traffic flow for the hurried passers-by who flock there. This paper invites us to reflect on the city’s gloomy atmosphere, drawing on the ethnography of this gradually deserted institutional space, and particularly its garden. The garden, that microcosm which is both the smallest parcel of the world and the totality of the world (Foucault), dispensed priceless jewels to its users, combining the benefits of its shade, the abundance of its scents, the joy of participating collectively in its care and the happiness of harvesting its fruits, while at the same time forcing us to come to terms with a whole series of unforeseen events over the course of the seasons and unexpected visitors. This fragile, dynamic, random negotiation and tuning didn’t undermine the joyful anticipation of the seeds and shoots that would soon become visible. Calling it “my forest”, “little jungle”, my “paradise”, or my “oxygen bubble”, everyone found substantial ways to soothe themselves, to regenerate, to gather bits and pieces of themselves often fragmented by psychological suffering. A vegetal skin, supple and lively, made itself available and willing to the tested and weakened bodies. Over time, a veritable “ecosophy” (Guattari) was created, making the ambient qualities of the place the heart of the welcoming compositions. The injunction to move, borrowing from the liberal lexicon of flexibility and the happy comfort of spaces dimensioned to hygiene and safety standards, nonetheless seemed to promise the enchanting prospects of the allure of the new. The reflective work carried out aims to make perceptible the burn of loss which, like a litany, loops the emptiness left behind, but also the bitter discovery of its impossible replacement and the repetition, like an anaphora, of the deprivation of this organic island which reminds users of every impediment that the gravel of the new device summons up. Through a sound and photographic composition close to the neglected garden, the voices of irresistible nostalgia in the face of the irremediable will be heard, as well as those of potential calls and invitations from social workers to try to give the “irrevocable” a taste of “hope” (Jankelevitch), and also the murmurs of the garden itself, which, before it is totally destroyed by the imminent building site, never ceases to wait, in patient expectation - where “a clearing is accomplished” (Levinas) in spite of the impassive - for the wind to rise and scatter its abundant, fertile seeds, carrying them far, far away. So that it may continue to be reborn “in a multiplicity of forms and metamorphoses” (Coccia).

**KEYWORDS:** loss, attachment, urban space, wasteland, waiting.



## L18

# SENSITIVE APPROACHES IN URBAN-SCALE PROJECT PROCESSES

**CHAIRS**

**Théa Manola  
Mathilde Girault  
Silvère Tribout**

Theoretical writings on sensitive aspects of the urban and “sensory urbanism” (Paquot, 2010; Besse, 2009; Zardini et al., 2005), and on “sensitive architectures” (Pallasma, 2013; Bonnaud, 2012), have been circulating for some years now. However, very few scientific works empirically address the consideration of these aspects in the design process, particularly on an urban scale and by design professions (Paxinou, 2017; Degen, Melhuish, Rose, 2015; Busenkell, 2012).

The “design” professions (architects, landscape architects, urban planners, etc.), historically involved in the production of the urban, but with a renewed focus in recent years (notably with an increase in the number of stakeholders from the world of art and design), have historically constructed themselves as bearers: of technical expertise and, for some of them, of aesthetic expertise, which very largely calls upon the sensitive (notably in the training of some of these professionals). And yet, although sensibility is present in the discourse of urban space designers, it still seems to be groping its way through the methodological and epistemological aspects of project practice.

This session will examine the place and role of sensibility within the design process of urban and territorial projects (from public spaces to large-scale projects). Our hypothesis, linked to the PRO-SECO research (ANR-20-CE22-0002-01), is that sensibility can play an ambiguous role in design processes, insofar as it can be both a vector of normativity and a field of creativity. It can be both (implicitly or explicitly) mobilized to enhance quality or to impoverish it; and this in all possible spectrums of intervention (from the most institutional to the most informal). We therefore consider that design professionals (whether planners, local authority technicians, architects, urban planners, landscape architects or others) deal with existing standards in their day-to-day work, and that the arrival in force of the environmental issue feeds this process with new standards; but it can also be

an opportunity for creative repositioning and inventiveness, notably calling on the sensitive (work on materials, climatic management of spaces, etc.).

In what forms is sensitivity mobilized? In what words? What values are promoted? Is there a part of those professions that is most inclined to mobilise sensitive aspects in the project process (for instance younger or explicitly politicaly engaged professionals)? Do contemporary issues (ecological, inclusion, gender, etc.) lead to the mobilization of the sensitive? What are the motivations and values for mobilizing, or not, the sensitive? If so, what forms of knowledge and what specific tools are used? In what perspective, and to highlight which aspects of the territory, is sensitivity mobilized? In what way does the possible mobilization of sensitivity call into question design habits, and in particular the involvement of residents and users and consideration of their sensitivities? How do these changes affect the project process and the role of professionals? What influence do the training, professional and personal trajectories of professional players have?

Proposals may come from researchers working on these issues, or from professionals with a reflective and theorized view of their own practices.

## AN INTEGRATIVE REVIEW OF THE IMPORTANCE OF AMBIENCE IN COLLECTIVE HOUSING FOR ELDERLY PEOPLE.

### UMA REVISÃO INTEGRATIVA DA IMPORTÂNCIA DA AMBIÊNCIA EM MORADIAS COLETIVAS PARA IDOSOS.

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#### **ABSTRACT**

This integrative review on how ambience can affect institutionalized elderly people suffering from neurodegenerative diseases aims to present the concepts of Aging in place; Collective housing for the elderly; and Neuroarchitecture correlating public space and place. Research suggests that the planning of neighborhoods favors attachment to place, social interaction, engagement, technological support, safety, green areas, mobility and the coexistence of different generations. Housing for older people with neurodegenerative diseases should provide a sense of community, enhance comfort and dignity, support courtesy, provide choices and offer opportunities to engage with society. The neuroscience of architecture assists in understanding the psychological issues of human experiences in response to the built environment, with an understanding of the connection between the properties of space and emotions, promoting options for environmental design according to the stages of life.

**KEYWORDS:** aging in place. neuroarchitecture. place. coexistence. experiences.

#### **RESUMO**

Esta revisão integrativa sobre como a ambiência pode afetar as pessoas idosas institucionalizadas acometidas de doenças neurodegenerativas, tem o objetivo de apresentar os conceitos de Aging in place; Moradia coletiva para pessoas idosas; e Neuroarquitetura correlacionando o espaço público e o lugar. As pesquisas sugerem que o planejamento de bairros favoráveis ao apego ao lugar, interação social, engajamento, apoio tecnológico, segurança, áreas verdes, mobilidade e favoreçam o convívio de diferentes gerações. As moradias para pessoas idosas com doenças neurodegenerativas devem proporcionar senso de comunidade, aumentar o conforto e a dignidade, apoiar a cortesia, proporcionar escolhas e oferecer oportunidades de envolvimento com a sociedade. A neurociência da arquitetura auxilia na compreensão das questões psicológicas das experiências humanas em resposta ao meio construído, com o entendimento da conexão entre as propriedades do espaço e as emoções, promovendo as opções para o design de ambiente conforme as fases da vida.

**PALAVRAS chave:** aging in place. neuroarquitetura. lugar. convivência. experiências.

## USING SENSIBLE APPROACH IN PROGRAMMING AN URBAN PARK, A TOOL TO CONFRONT VISION ON INCLUSIVITY AND BIODIVERSITY.

## UTILIZAR UMA ABORDAGEM SENSÍVEL NA PROGRAMAÇÃO DE UM PARQUE URBANO, UMA FERRAMENTA PARA ENFRENTAR A VISÃO DA INCLUSIVIDADE E DA BIODIVERSIDADE.

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### ABSTRACT

This article relates a participatory experimentation to program and design a park. It focuses on how sensible approach were used to take in consideration two aspects, the place of marginalized groups and the protection of biodiversity. It will question the tools that can be put in place in those processes such as photo elicitation. Yet it will also consider the role of designers when they work for elected officials.

**KEYWORDS:** Park, Participatory process, Biodiversity, Mental image, Photo elicitation.

### RESUMO

Este artigo relata uma experimentação participativa para programar e projetar um parque. Centra-se na forma como a abordagem sensível foi utilizada para ter em consideração este aspecto, o lugar dos grupos marginalizados e a protecção da biodiversidade. Questionará as ferramentas que podem ser implementadas nestes processos, como por exemplo a elicitação de fotos. No entanto, também considerará o papel dos designers quando trabalham para os representantes eleitos.

**PALAVRAS-CHAVE:** Parque, Processo participativo, Biodiversidade, Imagem mental, Elicitação de fotos.



## SENSITIVE APPROACHES AND PRACTICES: VIEWPOINTS OF THE ACTORS INVOLVED IN THE URBAN DESIGN PROCESS THE "LA BRASSERIE" ECO-DISTRICT IN STRASBOURG, FRANCE

### ABORDAGENS E PRÁTICAS SENSÍVEIS: PONTOS DE VISTA DOS INTERVENIENTES NO PROCESSO DE CONCEPÇÃO URBANA O ECO-BAIRRO LA BRASSERIE EM ESTRASBURGO (FRANÇA)

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#### **ABSTRACT**

The article deals with the corpus of 12 interviews, conducted as part of a research project involving actors in the "La Brasserie" eco-district development project in Strasbourg, France. It addresses meanings of, and approaches to the sensitive, and it emphasises the close relationship between sensitivity and sensibility, despite the instability of their definition. This link concerns beauty and comfort. The article also explores the operationalisation of the sensitive. It shows that beyond its inclusion in established tools, the sensitive structures methods, attitudes and values.

**KEYWORDS:** sensitive practices, actors, urban design, project.

#### **RESUMO**

O artigo trata do corpus de 12 entrevistas, realizadas no âmbito de um projeto de investigação envolvendo atores do projeto de desenvolvimento do ecodistrito «La Brasserie» em Estrasburgo, França. Aborda significados e abordagens do sensível e enfatiza a estreita relação entre sensibilidade e sensibilidade, apesar da instabilidade da sua definição. Este link diz respeito à beleza e ao conforto. O artigo explora também a operacionalização do sensível. Mostra que para além da sua inclusão em ferramentas estabelecidas, o sensível estrutura métodos, atitudes e valores.

**PALAVRAS-CHAVE:** sensível, práticas, atores, desenho urbano, projeto.

## DESIGNING SENSITIVITY: ALLOWING THE UNPREDICTABLE

## PROJETANDO SENSIBILIDADE: PERMITINDO O IMPREVISÍVEL

### SILVANA SEGAPELI

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### ABSTRACT

Starting from an experience more strongly connected with design aspects, crossing it with that of public regulation, in this article we will develop the thesis regarding the need to consider that urban space is not only designed, but it is lived and this implies subsequent sensory emotions that are not always definable in the design phase. Urban space is a "non-trivial machine" (Von Foerster, 1984): every urban practice modifies the context and therefore produces an increasingly different ambiance. In this paper the notion of common space will be considered as a methodological and epistemological questioning field. We will try to show how current practices of commoning seem to bring more relevance to issues related to ambiance than the more traditional design process. Disciplinary working hypotheses in the project field related thereto, are aimed at building design tools and forms of representation.

**KEYWORDS:** Commons. Urban regeneration. Ambiances. Collaborative urban design. Sensitivity.

### RESUMO

Partindo de uma experiência mais fortemente ligada aos aspectos de projeto, cruzando-a com a da regulação pública, neste artigo desenvolveremos a tese relativa à necessidade de considerar que o espaço urbano não é apenas projetado, mas é vivido e isso implica emoções sensoriais subsequentes que nem sempre são definíveis na fase de projeto. O espaço urbano é uma «máquina não trivial» [Von Foerster, 1987]: cada prática urbana modifica o contexto e, por conseguinte, produz um ambiente cada vez mais diferente. Neste artigo, a noção de espaço comum será considerada como um campo de questionamento metodológico e epistemológico. Tentaremos mostrar como as práticas actuais de comum parecem dar mais relevância às questões relacionadas com a ambiência do que o processo de conceção mais tradicional. As hipóteses de trabalho disciplinares no domínio do projeto a ele associado visam a construção de ferramentas de conceção e de formas de representação.

**PALAVRAS-CHAVE:** Bens comuns. Regeneração urbana. Ambiências. Desenho urbano colaborativo. Sensibilidade.

## SHAPING URBAN ATMOSPHERES THROUGH ART IN THE PARIS 2024 ATHLETES' VILLAGE

## MOLDANDO AS ATMOSFERAS URBANAS ATRAVÉS DA ARTE NA VILA DOS ATLETAS PARIS 2024

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### ABSTRACT

This communication examines the concept of urban atmospheres. It focuses on the role of artworks commissioned within the Athletes' Village in Paris, developed for the 2024 Olympic and Paralympic Games. The presentation explores how these artworks, situated in the public realm and in architectural contexts, shape the urban atmospheres of the future neighborhood. It draws upon ethnographic research and delves into the perspectives of urban professionals, including architects, urban planners, real estate developers and promoters. The presentation shows how art is viewed by these actors as an effective tool for generating a sensory and attractive atmosphere, serving as an enduring legacy of the Olympic Games.

**KEYWORDS:** Art ; Athletes' Village ; Olympics ; Ethnography ; Gentrification.

### RESUMO

Esta comunicação analisa o conceito de atmosferas urbanas, dando enfoque ao papel das obras de arte encomendadas para a Vila dos Atletas em Paris, planejada para os Jogos Olímpicos e Paralímpicos de 2024. A apresentação explora como essas obras de arte, situadas no espaço público e em projetos arquitetônicos, moldam as atmosferas urbanas do futuro bairro. Baseia-se em pesquisas etnográficas e investiga as perspectivas de profissionais urbanos, incluindo arquitetos, urbanistas, desenvolvedores e promotores imobiliários. O objetivo é entender como a arte é vista como uma ferramenta eficaz para criar uma atmosfera sensorial e atraente, servindo como um legado duradouro dos Jogos Olímpicos. Palavras chave: Arte ; Vila dos Atletas ; Olimpíadas ; Etnografia ; Gentrificação.



## L19

# SENSORY DESIGN AND ITS MANAGEMENT IMPLICATIONS FOR ART AND TOURISM PLACES

**CHAIR** Dorit Kluge

People are connected in many ways to the multisensoriality of architecture, urban space, and landscape. For them, these are spaces of experience on the one hand and spaces of agency on the other (Liu et al., 2017), as they express their will to design and thus also their will to experience individually and socially. It is therefore about (un)conscious sensory perception and conscious creation of meaning for places at the same time. This dualism has been reflected for several centuries in philosophy (Böhme, 1995), anthropology (Classen, 2017), geography (Tuan, 2012), art history (Pichet & Kluge, 2023), marketing (Biehl-Missal & vom Lehn, 2015), and many other sciences.

Depending on the proximity to the set stimulus, spatial experience involves various qualities and quantities for sensory perception, whether in a kind of concentric arrangement (Iwasaki et al., 2023) or as a phenomenon of overlapping perception. This can relate to a single form of stimulus (sounds) and thus perceptual modality (hearing) or also to multisensory combinations of stimulus forms and perceptual modalities, whereby the degree of complexity in stimulus perception and processing increases. The spatial experience is supplemented by a temporal dimension. People perceive stimuli sequentially, which turns perception into a process. However, people also activate their (sensory) memory and implicitly recall previous perceptions and associations.

The section will focus primarily on artistic and tourist locations (Staiff, 2015), whereby both open and closed spaces will be considered. We are focusing on two key issues: How are places designed so that they can unfold their potential for multisensory sensory perception (spatial component)? What implications does the specific design have for the management of these places (process

component); for example, what needs to be rethought in museum, destination, or tourism management (service process design, value chains, stakeholder management etc.)?

We invite researchers to submit paper proposals for this session. These proposals can be individual case studies, comparative analyses, or theory-based contributions. We would welcome authors working transdisciplinarily, establishing a link between past, present and (digital) future and presenting examples from different cultures around the world.

## SENSING SCENTS: THE IMPACT OF SMELLS IN SHAPING PLACE ATTACHMENT

### SENTIR OS AROMAS: O IMPACTO DOS CHEIROS NA FORMAÇÃO DA LIGAÇÃO A UM LUGAR

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#### ABSTRACT

In 2001, the Japanese Ministry of Environment listed the '100 most fragrant sites in Japan'. The list was intended to raise awareness of the different smells in the rural and urban landscape that contribute to the enjoyment of nature, the appreciation of traditional arts and crafts, and food preparation.

The research is based on a case study of Jimbocho, a book town in Tokyo known for its numerous shops for different book genres. This paper investigates the impact of the odours present at Jimbocho in contributing to place attachment. Interviews were conducted with bookstore owners to determine the social value of Jimbocho by investigating this heritage site's role and its smells in shaping identity.

**KEYWORDS:** smells. heritage. Japan. place attachment. identity.

#### RESUMO

Em 2001, o Ministério do Ambiente japonês elaborou uma lista dos «100 sítios mais perfumados do Japão». A lista tinha por objetivo sensibilizar para os diferentes odores da paisagem rural e urbana que contribuem para a fruição da natureza, a apreciação das artes e ofícios tradicionais e a preparação de alimentos.

A investigação baseia-se num estudo de caso da cidade dos livros de Jimbocho, em Tóquio, conhecida pelas suas numerosas lojas de diferentes géneros de livros. Este artigo investiga o impacto dos odores presentes em Jimbocho na contribuição para a ligação ao local. Foram realizadas entrevistas com proprietários de livrarias para determinar o valor social de Jimbocho, investigando o papel deste local patrimonial e dos seus cheiros na formação da identidade.

**PALAVRAS-CHAVE:** cheiros. património. Japão. ligação ao local. identidade.

## DETERMINING SUCCESS FACTORS: PHYSICALITY, SENSIBILITY, AND IMMERSIVE ARCHITECTURE IN THE KSA PAVILION AT EXPO DUBAI 2020

## DETERMINANDO FATORES DE SUCESSO: FISCALIDADE, SENSIBILIDADE E ARQUITETURA IMERSIVA NO PAVILHÃO KSA NA EXPO DUBAI 2020

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### ABSTRACT

Expo events merge art and tourism, engaging a diverse array of stakeholders. Country Pavilions act as agents of cultural diplomacy, employing compelling designs to reflect national narratives. This study examines the Kingdom of Saudi Arabia (KSA) pavilion at Dubai Expo 2020, noted for its innovative design and significant popularity. The analysis focuses on the integration of spatial and sensory elements in immersive architecture, scenography, and content management, which collectively crafted an optimal multi-sensory experience. By reviewing the visitor journey, the study highlights strategies that amplify visitor experiences through the creative fusion of movement, interactive content and architectural design. The atavistic reference underlying physicality and sensibility is emphasized as a fundamental tool for place-making, crucial in achieving visitor engagement and cultural diplomacy. The KSA pavilion's success, attracting over 5 million visitors and aligning with global sustainability goals, provides insights for designing future pavilions that resonate universally and leave lasting impressions.

**KEYWORDS:** Expo Pavilion Design. Multi-Sensory Architecture. Scenography. Visitor Experience. Immersive Atavistic Symbolism.

### RESUMO

Eventos da Expo unem arte e turismo, engajando uma diversa gama de stakeholders. Pavilhões nacionais atuam como agentes de diplomacia cultural, empregando designs atraentes para refletir narrativas nacionais. Este estudo examina o pavilhão do Reino da Arábia Saudita (KSA) na Expo Dubai 2020, conhecido por seu design inovador e significativa popularidade. A análise foca na integração de elementos espaciais e sensoriais na arquitetura imersiva, cenografia e gestão de conteúdo, que coletivamente criaram uma experiência multissensorial ideal. Ao revisar a jornada do visitante, o estudo destaca estratégias que amplificam as experiências dos visitantes através da fusão criativa de movimento, conteúdo interativo e design arquitetônico. A referência atávica subjacente à fisicalidade e sensibilidade é enfatizada como uma ferramenta fundamental para a criação de espaços, crucial para alcançar o engajamento dos visitantes e a diplomacia cultural. O sucesso do pavilhão da KSA, atraindo mais de 5 milhões de visitantes e alinhando-se com os objetivos globais de sustentabilidade, fornece insights para projetar futuros pavilhões que ressoem universalmente e deixem impressões duradouras.

**PALAVRAS-CHAVE:** Design de Pavilhões da Expo. Arquitetura Multissensorial. Cenografia. Experiência do Visitante. Simbolismo Atávico Imersivo.



## ANALYSIS OF THE SPATIO-TEMPORAL STRUCTURE OF THE OLFACTORY ENVIRONMENT ON MINAMI-DAITO ISLAND: TOWARDS SUBJECTIVE SPATIAL DESIGN AND IMPLICATIONS FOR TOURISM

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### ABSTRACT

The ‘smell of the land’ characterises a place as ambient information and is etched deeply into the mind along with visual information. We have conducted a series of studies on invisible and ambiguous smells, focusing initially on how to notice the variety of smells in different areas, how to visualize them and how to incorporate them into tourism conceptions.

Minami-Daito Island is a remote subtropical island located on the Pacific Ocean at the southern tip of Japan. Our research team has been visiting this remote island since 1998, conducting interviews about its unique flora, fauna, food, and customs. Interviews were conducted with both islanders and tourists, comparing their subjective differences in the olfactory environment. The results showed that to visualise the invisible olfactory environment, not only is spatial and temporal information essential, but also a margin must be provided for subjective information found alongside objective information.

**KEYWORDS:** Smellscape, Tourism, Olfaction, Island, Environment.

### RESUMO

O “cheiro da terra” caracteriza um lugar como informação ambiental e fica gravado profundamente na mente junto com a informação visual. Realizamos uma série de estudos sobre odores invisíveis e ambíguos, concentrando-nos inicialmente em como perceber a variedade de odores em diferentes áreas, como visualizá-los e como incorporá-los às concepções de turismo.

A Ilha Minami-Daito é uma ilha subtropical remota localizada no Oceano Pacífico, no extremo sul do Japão. Nossa equipe de pesquisa tem visitado essa ilha remota desde 1998, realizando entrevistas sobre sua flora, fauna, alimentação e costumes exclusivos. Foram realizadas entrevistas com moradores da ilha e turistas, comparando suas diferenças subjetivas no ambiente olfativo. Os resultados mostraram que, para visualizar o ambiente olfativo invisível, não apenas as informações espaciais e temporais são essenciais, mas também uma margem deve ser fornecida para informações subjetivas encontradas juntamente com informações objetivas.

**PALAVRAS-CHAVE :** Smellscape, Turismo, olfato, Ilha, Ambiente.



# L20

## SMELL OF NATURE: RETHINKING SCENT ECOLOGY IN THE POST-PANDEMIC AND CLIMATE CHANGE CONTEXT

**CHAIRS** Jieling Xiao  
Victoria Linn Lygum

The olfactory experience of nature profoundly impacts human well-being. Natural scents—such as the aroma of forests, flowers, soil, or the sea—evoke positive emotions, reduce stress, and enhance mood. Research indicates that exposure to natural scents can lower cortisol levels, decrease blood pressure, and promote relaxation, contributing to overall psychological and physiological well-being (Bentley, et al., 2023).

The role of scents in ecosystem services is paramount. Various organisms primarily utilize scents for communication and signal transmission. For instance, animals release pheromones for mating, while scents attract pollinators to flowers, aiding successful plant reproduction. Scents also crucially govern relationships between predators and prey: prey animals emit specific scents as a defence mechanism, while predators use scents to locate and track prey, enhancing hunting efficiency (Press, et al., 2000). Furthermore, scents are vital in decomposition processes, particularly in breaking down organic matter. Odorous compounds attract decomposers like bacteria and fungi, aiding

in converting organic matter into simpler forms and facilitating nutrient cycling within ecosystems. Cities are characterized by artificial and often overpowering scents, such as pollutants, vehicle emissions, and industrial odours, contributing to air pollution and adverse human health effects. The absence of natural scents in urban spaces may lead to sensory deprivation of positive olfactory stimuli crucial for mental health and cognitive function (Spence, 2020). Covid pandemic alert us to the importance of access to “fresh air” and scents of nature. Although some initiatives are seen to introduce pocket parks and green roofs into the centre, few acknowledging the role of scents in urban ecosystem and quality of life in cities. One the other note, climate change also urges us to re-think about sensory ecology and sustainability. For example, heatwaves as a result change our olfactory sensitivity in summer, cause biodiversity loss and damages the circadian cycle of plant scents in the local ecosystem. Rebuilding olfactory connections is pivotal for creating a regenerative and restorative future, from deprivation to reactivation.

This session invites scholars, researchers, practitioners, and artists to explore, discuss, and reimagine the significance of scent ecology in our lives, guided by the following questions:

How are scents creatively used in artistic, architectural, landscape and urban practices to purposefully reconnect people and nature?

How can a better understanding of the role of plant scents in ecosystems inform sustainable practices in agriculture, forestry, and land management, minimizing negative impacts on natural habitats?

How can natural scents be used to indicate environmental changes and ecosystem health?

How can new technology (i.e. XR, AI) innovate the documentation and representation of plant scents in built environment?

We are interested in diverse formats of contributions including traditional papers, multi-media outputs or action-based learning activities.

## INFLUENCE OF SMELLS FROM NATURE ON HUMAN PSYCHOLOGICAL AND PHYSIOLOGICAL REACTIONS: A REVIEW OF EFFECTS OF EXPOSURE

## INFLUÊNCIA DOS CHEIROS DA NATUREZA NAS REACÇÕES PSICOLÓGICAS E FISIOLÓGICAS HUMANAS: UMA REVISÃO DOS EFEITOS DA EXPOSIÇÃO

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### ABSTRACT

Focus on wellbeing from nature has been on visual features although humans are multisensory perceivers. Smells from nature are released from plants, flowers, soil or water and are part of the human experience of an environment. This paper aims to review the effects of exposure to smells from nature in indoor and outdoor environments and the different ways in which smells from nature can affect human psychological and physiological reactions. Results suggest that exposure to smells from nature positively influences human psychological and physiological reactions and highlight potentials in using smell from nature to decrease stress and tension, increase positive mood and relaxation with benefits on human health and well-being. However, knowledge about smells from nature is still limited, especially with physiological measures in-situ, and there is the need for more studies to define how smells can be implemented to increase the environmental qualities and improve human health and well-being.

**KEYWORDS:** smells from nature; human health; urban and natural environment; psychophysiological reactions; sensory experience.

### RESUMO

O foco no bem-estar da natureza tem sido nas características visuais, embora os humanos sejam percetores multissensoriais. Os cheiros da natureza são libertados pelas plantas, flores, solo ou água e fazem parte da experiência humana de um ambiente. Este artigo tem como objetivo rever os efeitos da exposição aos cheiros da natureza em ambientes interiores e exteriores e as diferentes formas como os cheiros da natureza podem afetar as reações psicológicas e fisiológicas humanas. Os resultados sugerem que a exposição aos cheiros da natureza influencia positivamente as reações psicológicas e fisiológicas humanas e destacam o potencial da utilização dos cheiros da natureza para diminuir o stress e a tensão, aumentar o humor positivo e o relaxamento, com benefícios para a saúde e o bem-estar humanos. No entanto, o conhecimento sobre os cheiros da natureza ainda é limitado, especialmente com medidas fisiológicas in-situ, e há necessidade de mais estudos para definir como os cheiros podem ser implementados para aumentar as qualidades ambientais e melhorar a saúde e o bem-estar humanos.

**PALAVRAS-CHAVE:** cheira da natureza; saúde humana; ambiente urbano e natural; reações psicofisiológicas; experiência sensorial.

## URBAN GREEN SPACES AND MENTAL HEALTH – THE ROLE OF PLANTS VOLATILE ORGANIC COMPOUNDS

### ESPAÇOS VERDES URBANOS E SAÚDE MENTAL – O PAPEL DOS COMPOSTOS ORGÂNICOS VOLÁTEIS DAS PLANTAS

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#### **ABSTRACT**

Through a biosocial approach and based on the geography of health, my research explores the role of urban green spaces in the recovery process for people with a diagnosis of psychosis. While evidence of nature's benefits on human health is growing, the mechanisms remain unclear. Volatile organic compounds (VOCs) emitted by plants interact with human bodies and can influence both physical and mental health. The potential health benefits of VOCs depend on their presence in the environment where humans-plant encounters take place. Most research on VOCs has been conducted in forest environments, but these compounds may also play a role in urban settings. Drawing on a participatory action-research in Lausanne, Switzerland, I examine the quantity and quality of VOCs in various urban parks and identifies the plants responsible for their production, with a focus on the biological functioning of plants and also on species specificities.

**KEYWORDS:** Green spaces. Mental health. Volatile organic compounds. Urban environment.

#### **RESUMO**

Através de uma abordagem biossocial e com base na geografia da saúde, minha pesquisa explora o papel dos espaços verdes urbanos no processo de recuperação de pessoas com diagnóstico de psicose. Embora as evidências dos benefícios da natureza para a saúde humana estejam aumentando, os mecanismos por trás desses efeitos ainda são incertos. Compostos orgânicos voláteis (COVs) emitidos pelas plantas interagem com o corpo humano e podem influenciar tanto a saúde física quanto mental. Os potenciais benefícios à saúde dos COVs dependem de sua presença no ambiente onde ocorrem os encontros entre humanos e plantas. A maioria das pesquisas sobre COVs tem sido realizada em ambientes florestais, mas esses compostos também podem desempenhar um papel em contextos urbanos. Com base em uma pesquisa-ação participativa realizada em Lausanne, Suíça, examino a quantidade e a qualidade dos COVs em vários parques urbanos, identificando as plantas responsáveis por sua produção, com foco no funcionamento biológico das plantas e nas especificidades das espécies.

**PALAVRAS-CHAVE:** Espaços verdes. Saúde mental. Compostos orgânicos voláteis. Ambiente urbano.

## PERSPECTIVES ON PLANT SMELLSCAPES: A SCENT MODULE FOR OUTDOOR USE AT DEMENTIA CARE HOMES

## PERSPECTIVAS SOBRE PAISAGENS OLFATIVAS: UM MÓDULO OLFATIVO PARA UTILIZAÇÃO EM ÁREAS EXTERNAS DE CASAS DE CUIDADO A PESSOAS COM DEMÊNCIA

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### ABSTRACT

Human surroundings are experienced through the senses and the senses aid humans in understanding and responding to their environments purposefully. If sensory functions are reduced, a person's world becomes more difficult to understand and act in. People with dementia often have dysfunctional cognitive systems and difficulty processing sensory information, which may lead to ill-being. This paper introduces the notion of scent modules for outdoor use at care homes for people with dementia. Scent modules should offer pleasant sensory and cognitive stimulation in natural surroundings. Perspectives on how scent modules can be integrated into health-promoting care and create well-being for people with dementia are presented.

**KEYWORDS:** Landscape architecture. Smell. Scent. Dementia. Well-being. Care home.

### RESUMO

Seres humanos experimentam o ambiente ao seu redor através dos sentidos, os quais ajudam a compreender e reagir ao ambiente de forma proposital. Se as funções sensoriais são reduzidas, indivíduos apresentam dificuldades em compreender e agir no ambiente. Pessoas com demência frequentemente apresentam sistemas cognitivos disfuncionais e dificuldades em processar informações sensoriais, o que pode levar ao mal-estar. Este artigo introduz a ideia de módulos olfativos para áreas externas de casas de cuidado à pessoas com demência. Módulos olfativos podem oferecer uma estimulação sensorial e cognitiva agradável em um ambiente natural. Perspectivas sobre como módulos olfativos podem ser integrados na promoção do cuidado à saúde e bem-estar de pessoas com demência são apresentadas neste estudo.

**PALAVRAS-CHAVE:** Arquitetura paisagística. Olfato. Cheiro. Demência. Bem-estar. Casas de cuidado à pessoas com demência.

## BREATHING ECOLOGICAL CONNECTION: THE PERMEABILITY AND INTIMACY OF SCENT

## RESPIRAÇÃO DA CONEXÃO ECOLÓGICA: A PERMEABILIDADE E INTIMIDADE DO AROMA

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### ABSTRACT

Architecture often focusses on the visual and the seemingly separate, solid materials of buildings. In contrast, this paper explores how scent and breathing underscore the fluid, interconnected reality of our interactions within our environments. It discusses how scent and the act of breathing are associated with a sense of permeability, bonding, and ecological connection. The paper draws on research from Architecture and Interior Design to illustrate how smell can affect us, evoking place-memories linked to interpersonal connections. It also considers movement memory and the experience of breathing, highlighting that our encounters with air serve to remind us that space is filled with substances that envelop and permeate us. The study relates the design consideration of these sensory experiences to an ethical ecology. It advocates for design practices that foreground our deep physical and sensory interconnections with people and environments, thus fostering a relational and ecological awareness of place.

**KEYWORDS:** scent. breathing. permeability. ecological. bonding. memory. architecture. interior design.

### RESUMO

Arquitetos e designers de interiores costumam focar no visual e nos materiais sólidos como madeira e concreto. No entanto, este artigo destaca como o odor e a respiração revelam a realidade fluida e interconectada de nossas interações ambientais. Discute-se como o cheiro e respirar relacionam-se com permeabilidade, conexão ecológica e intimidade familiar. Baseando-se em pesquisas de pós-graduação e doutorado em Arquitetura e Design de Interiores, o estudo explora a ligação entre cheiros, memória do lugar e interações humanas. Aborda também as memórias de movimentos proprioceptivos, ressaltando como nosso contato com o ar e fluidos, além dos sólidos, nos faz lembrar que estamos envolvidos e permeados pelas substâncias ao redor. O artigo argumenta que atenção a essas experiências sensoriais fomenta uma «ecologia ética», enfatizando práticas de design que reconhecem nossa interdependência com o ambiente e promovem uma consciência relacional e ecológica do espaço.

**PALAVRAS-CHAVE:** aroma. respiração. permeabilidade. ecológica. vínculo. memória. arquitetura. design de interiores.



## SMELLING TOXIC ENVIRONMENTS IN DYSTOPIAS: IMAGINATION, THE NON-HUMAN, AND CLIMATE SOLUTIONS

## CHEIROS DE AMBIENTES TÓXICOS EM DISTOPIAS: IMAGINAÇÃO, O NÃO HUMANO E SOLUÇÕES CLIMÁTICAS

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### ABSTRACT

What do dystopias tell us about the future of scent? In a post-pandemic and climate change context, dystopic texts have much to teach us about future scent ecologies. There is creative power in imagining future societies that can reveal important details about our relationship to the smell of our environments. In this paper, I discuss two contemporary dystopias from 21st century French and Francophone literature that highlight the smells of insects and animals and the smells of a climate-change impacted world. Focusing on the novels *Les aigles puent* (2010) by Lutz Bassmann and *Frappabord* (2024) by Mireille Gagné, this project examines the imaginative, creative, world building of dystopic futures to expand the possibilities of odors and their role in describing toxic atmospheres. These novels provide interesting, imagined societies where the smell of nature is shifted due to human behavior and access to air, and breathing, becomes a struggle.

**KEYWORDS:** smell. dystopias. climate change. imagination. air.

### RESUMO

O que as distopias nos dizem sobre o futuro do perfume? Em um contexto pós-pandemia e de mudança climática, os textos distópicos têm muito a nos ensinar sobre as futuras ecologias olfativas. Há um poder criativo na imaginação de sociedades futuras que pode revelar detalhes importantes sobre nossa relação com o cheiro de nossos ambientes. Neste artigo, discuto duas distopias contemporâneas da literatura francesa e francófona do século XXI. Com foco nos romances *Les aigles puent* (2010), de Lutz Bassmann, e *Frappabord* (2024), de Mireille Gagné, este projeto examina a construção imaginativa de futuros distópicos para expandir as possibilidades de odores e seu papel na descrição de atmosferas tóxicas. Esses romances oferecem sociedades interessantes em que o cheiro da natureza é alterado devido ao comportamento humano e o acesso ao ar e à respiração se torna uma luta.

**PALAVRAS-CHAVE:** cheiro. distopias. mudança climática. imaginação. ar.



# L21

## SOUNDS, CITIES, ART, AND ECOLOGY

**CHAIRS**    **Marcel Cobussen**  
                  **Jordan Lacey**

Urban atmospheres are of course experienced through more than one sense: living beings perceive them using their eyes, ears, skin, and nose. However, besides elements that can be experienced through the senses many other agents are more or less active in creating a specific atmosphere. For instance, cultural perspectives and individual idiosyncrasies can produce a diversity in atmospheres in any given situation; socio- political and economic influences enforce expected atmospheres (such as the predominance of car sounds); and ecological or commercial interests codetermine the general ambiance of a site. In short, all these agents (and many more) play a role in the ways places are designed and experienced.

Taking the above into account, our view is not only that sound is an important agent in the creation of an urban atmosphere but that all these agents are connected to sound. A constantly changing constellation of traffic sounds, construction works, human activities, bells, music (coming from shops, buskers or portable audio devices), as well as natural sounds (coming from birds, trees, wind, and rain) not only determine the soundscape or ambiance of a city but also how these are perceived. However, when intervening in such a soundscape or ambiance several other parameters besides sound, might change as well: for instance, the amount and kind of social interaction, issues about (un)safety or mystery/intrigue. Also, visual, haptic, olfactory and social and/or community transformations might occur in combination with introduced sounds, depending on the type of intervention.

In this session we would like to focus specifically on the relation between the sonic environment, sound art, and ecology in cities. The session is meant to invite presentations of concrete artistic interventions that are directly affecting the ecological situation of an urban environment. In other words, through this session we aim to investigate the following question: how can sound artists contribute to a better ecological climate in cities? As we are aware that these artistic interventions are very much determined by specific situations, we would especially like to invite contributions from various parts of the world (from the Global South to the Global East, West, and North), from metropolises to small-scale cities, from interventions in already existing neighbourhoods to artistic-ecological projects in newly developed areas, etc. Ideally, participants, audience, and session leaders go home with a bag full of best practices, challenging examples, and trailblazing ideas as how art, ecology, and city life can mutually affect and benefit from another.

## SOUND ART AS A REINVENTION OF URBAN AMBIANCES OF A HISTORIC CITY

## ARTE SONORA COMO REINVENÇÃO DE AMBIENTES URBANOS DE UMA CIDADE HISTÓRICA

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### ABSTRACT

The present research aims to understand the role of sound art in the reinvention of a historic place, the old medina of Tunis, and the enhancement of its character. Two works from Dream City festival were selected: installation “Hadra fergha” by Shinigami-San based on sounds of trades and “Whispers of the city”, a vocal creation by soloist A. Sellami. The methodology includes interviews with artists following three themes: the conceptual intentions of art work, the reason for choosing the medina, the artist’s personal attach with the city. The sonic effect method has been used to specify the relationships between perception and urban sonic environment. Results showed that the sonic installations are a kind of musical interpretations of the urban sounds. The conceptual approaches are at the crossing of the material and sonic characteristics of the city. The identity of the medina consists of: Reverberation as musical potential, Crossfade in the old streets, Musicality of the city, Prevalence of human sounds.

**KEYWORDS:** sound art. Historic city. Urban identity. sensitive sound experience. Sound resonances.

### RESUMO

A presente investigação visa compreender o papel da arte sonora na reinvenção de um lugar histórico, a antiga medina de Tunes, e na valorização do seu carácter. Foram seleccionadas duas obras do festival Dream City: a instalação “Hadra fergha”, de Shinigami-San, baseada em sons de ofícios, e “Whispers of the city”, uma criação vocal do solista A. Sellami. A metodologia inclui entrevistas com os artistas, seguindo três temas: as intenções conceptuais da obra de arte, a razão da escolha da medina, a ligação pessoal do artista com a cidade. O método do efeito sonoro foi utilizado para especificar as relações entre a perceção e o ambiente sonoro urbano. Os resultados mostraram que as instalações sónicas são uma espécie de interpretações musicais dos sons urbanos. As abordagens conceptuais encontram-se no cruzamento das características materiais e sonoras da cidade. A identidade da medina é constituída por: Reverberação como potencial musical, Crossfade nas ruas antigas, Musicalidade da cidade, Prevalência de sons humanos.

**PALAVRAS-CHAVE:** arte sonora. Cidade histórica. Identidade urbana. experiência sonora sensível. Ressonâncias sonoras.

## AN ECOLOGY OF AUDITORY ATTENTION

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### **ABSTRACT**

This contribution explores the link between ambience and the ecology of auditory attention, emphasizing the quality of the sound environment. Ambiences, as auditory ecosystems, arise from the interaction of a place's physical characteristics with our sound perception, influencing our listening states. Studying soundscapes reveals how sound elements impact our behavior and environmental connection, affecting attention and physical well-being. Understanding these dynamics helps manage environments for comfort and attention by reducing noise and creating tranquil areas. The ecology of auditory attention, or sound sustainability, guides the design of balanced soundscapes that support mental and emotional health, promoting awareness and preservation of our auditory environment within the context of social anthropology.

**KEYWORDS:** "sound sustainability". Ecosound. Ecology. Ambiance. ecosystem.

### **RESUMO**

Esta contribuição explora a ligação entre a ambiência e a ecologia da atenção auditiva, dando ênfase à qualidade do ambiente sonoro. As ambiências, enquanto ecossistemas auditivos, resultam da interação das características físicas de um local com a nossa percepção sonora, influenciando os nossos estados de escuta. O estudo das paisagens sonoras revela como os elementos sonoros têm impacto no nosso comportamento e na ligação ambiental, afectando a atenção e o bem-estar físico. A compreensão destas dinâmicas ajuda a gerir ambientes para conforto e atenção, reduzindo o ruído e criando áreas tranquilas. A ecologia da atenção auditiva, ou sustentabilidade sonora, orienta a concepção de paisagens sonoras equilibradas que apoiam a saúde mental e emocional, promovendo a consciencialização e a preservação do nosso ambiente auditivo no contexto da antropologia social.

## THE REMAINING SOUND THE FORGOTTEN AMBIANCE OF THE ROMANESQUE CHURCHES IN THE CATALAN PYRENEES

## O SOM QUE RESTA A AMBIÊNCIA ESQUECIDA DAS IGREJAS ROMÂNICAS DOS PIRENÉUS CATALÃES

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### **ABSTRACT**

The Pyrenees preserve many 11th-12th century Romanesque churches and hermitages, known internationally for their murals. To prevent their sale to North American collectors, the Catalan government extracted many murals, transporting them by donkey to Barcelona, where they are now housed in the National Museum of Art of Catalonia. Studying the sounds of the past involves focusing on a material that no longer exists, reconstructing traces, testing hypotheses, and also allowing for interpretations. The “divided heritage” of the Romanesque churches in the Catalan Pyrenees raises the issue of the decontextualization of the work, the fragmentation of an ambiance, and the evolution of history through a return in situ that primarily engages the senses as a tool of knowledge.

**KEYWORDS:** Ambiances. Romanesque. Churches. Sound Space. Mural paintings.

### **RESUMO**

Os Pirenéus preservam muitas igrejas e eremitérios românicos dos séculos XIXII, conhecidos internacionalmente por seus murais. Para evitar a venda desses murais a colecionadores norte-americanos, o governo catalão extraiu muitos murais, transportando-os de burro para Barcelona, onde agora estão alojados no Museu Nacional de Arte da Catalunha. Estudar os sons do passado envolve focar em um material que não existe mais, reconstruir vestígios, testar hipóteses e também permitir interpretações. O «patrimônio dividido» das igrejas românicas nos Pirenéus Catalães levanta a questão da descontextualização da obra, da fragmentação de uma ambiência e da evolução da história através de um retorno in situ que engaja principalmente os sentidos como ferramenta de conhecimento.

**PALAVRAS chave:** Ambiências. Românico. Igreja. Espaço Sonoro. Murais.

## GIGLI DI NOLA: PERCEIVING, UNDERSTANDING, AND EXPERIENCING THE FESTIVAL

## GIGLI DI NOLA: PERCEBER, COMPREENDER E VIVENCIAR O FESTIVAL

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### **ABSTRACT**

The Gigli di Nola is an Italian folk ceremony featuring a shoulder-borne procession celebrating the feast of Saint Paulinus. This cultural festival is part of the United Nations Educational, Scientific and Cultural Organization's (UNESCO) Representative List of the Intangible Cultural Heritage of Humanity. This study analyses how the physical and spatial aspects of Nola influence the enactment of the cultural festival's soundscape, atmosphere, and behavior of its participants (i.e., bearers and non-bearers). It further examines how the rhythmic qualities of the music are related to bearers' spatial maneuvers and to non-bearers' participation in the festival. The results show that the festival is connected to Nola's urban fabric (e.g., the city's nodes, paths, and boundaries) and community life. The soundscape dominates the atmosphere of the festival and affects people's perceptions and behavior. This study contributes to a critical approach to heritage by proposing an integration of tangible and intangible features.

**KEYWORDS:** Gigli di Nola. Soundscape. Atmosphere. Cultural festival. Intangible and tangible heritage. Rhythmanalysis

### **RESUMO**

O Gigli di Nola é uma cerimônia folclórica italiana que apresenta uma procissão celebrando a festa de São Paulino. Este festival cultural faz parte da Lista Representativa do Patrimônio Cultural Imaterial da Humanidade da Organização das Nações Unidas para a Educação, a Ciência e a Cultura (UNESCO). Este estudo analisa como os aspectos físicos e espaciais de Nola influenciam a percepção da paisagem sonora, da atmosfera e do comportamento de seus participantes (isto é, portadores e não-portadores) do festival cultural. O estudo examina ainda como as qualidades rítmicas da música estão relacionadas com as manobras espaciais dos portadores e com a participação dos não-portadores no festival. Os resultados mostram que o festival está ligado ao tecido urbano de Nola (por exemplo, os nós, caminhos e limites da cidade) e à vida comunitária. A paisagem sonora domina a atmosfera do festival e afeta as percepções e o comportamento das pessoas. Este estudo contribui para uma abordagem crítica do patrimônio imaterial ao propor uma integração de características tangíveis e intangíveis.





# L23

## TEACHING THE AMBIENT PROJECT

**CHAIRS** Olfa R. Meziou

Scientific community – with its philosophers, anthropologists, sociologists, engineers, geographers, historians and researchers in art, architecture, design, cinema, etc.- working hard to describe ambiance and atmosphere, to analyze the experience of architectural, urban or landscape places and to refine the notions related to atmospheres. Moreover, many architects – like Juhani Pallasmaa, Peter Zumthor or Philipp Rahm -, more or less consciously integrate atmospheric and feeling issues into their projects. As such, they produce real references in terms of ambient projects.

All this constitutes an available material to teach the ambient or atmospheric project. But how do architects and design project teachers proceed to teach ambient project? How about going beyond the atmospheric design? All this material is it useful? Should we/ did they invent another one? What do students teach us? What do workshop's experiences at school teach us? What are the issues for teachers? What about representation? What about evaluation? Can the teaching of ambient project be a kind of reform of the more traditional design teaching – if it exists at all – or does it require a real paradigm shift?

## SENSORY ENVIRONMENTS: AN ANALYSIS OF PORTUGUESE ARCHITECTURAL CURRICULA

### AMBIENTES SENSORIAIS: UMA ANÁLISE DOS CURRÍCULOS DE ARQUITETURA PORTUGUESES

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#### ABSTRACT

Architecture is corporeity, so architectural space must be conceived from the body and for the body since space is captured through bodily and sensory activities. Therefore, architecture must attend to all the senses involved in its perception. Thus, each architectural project, in addition to solving rational problems and meeting functional, technical, and other requirements, must be able to evoke and reflect the different sensory worlds of each culture. Studying the case of Portuguese curricula in architecture, it is possible to offer insights into how the approach to knowledge of the sensory worlds is handled in academia by undertaking a documentary analysis. In a very real way, not enough attention is given within teaching practice to our corporeal and holistic essence. Studies of architecture need to also include an ethnographic dimension, to consider the situations which emerge when the teaching of architecture becomes detached from all of our senses other than simply the visual.

**KEYWORDS:** Architecture curricula. Sensorial World. Neuroarchitecture. Design Studio Teaching. Portugal.

#### RESUMO

A arquitetura é corporeidade, pelo que o espaço arquitetónico deve ser concebido a partir do corpo e para o corpo, uma vez que o espaço é captado através de atividades corporais e sensoriais. Por isso, a arquitetura deve atender a todos os sentidos envolvidos na sua perceção. Assim, cada projeto de arquitetura, para além de resolver problemas racionais e cumprir requisitos funcionais, técnicos e outros, deve ser capaz de evocar os diferentes mundos sensoriais de cada cultura. Estudando o caso dos currículos portugueses de arquitetura, é possível oferecer uma visão sobre a forma como a abordagem ao conhecimento dos mundos sensoriais é tratada no campo académico através de uma análise documental. De certa forma, não há reconhecimento suficiente nas práticas de ensino sobre a nossa essência corpórea e holística. Os estudos de arquitetura precisam de incluir também uma dimensão etnográfica, para considerar as novas situações que emergem quando o ensino da arquitetura se desligou de outros sentidos, exceto o visual.

**PALAVRAS-CHAVE:** Planos de estudo de Arquitetura. Mundo sensorial. Neuroarquitetura. Ensino de Projeto de Arquitetura. Portugal.

## TEACHING ARCHITECTURAL AND URBAN AMBIENCES: SPATIAL EXPERIMENTS FOR 1ST YEAR ARCHITECTURE STUDENTS

## ENSINO DE AMBIENTES ARQUITECTÓNICOS E URBANOS: EXPERIÊNCIAS ESPACIAIS PARA ESTUDANTES DO 1º ANO DE ARQUITECTURA

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### ABSTRACT

Our paper presents the results of a teaching experiment designed to make first-year architecture students aware of sensory perception through the body's engagement with the surrounding space. The 'Spatial Experiments' exercise takes place in four stages: intuitive wandering, attentive wandering, physical experimentation with the envelope, and conceptualization. Students explore, analyze and reproduce spaces using various modes of representation (text, drawing, photography, models). This approach enables them to develop a greater understanding and sensitivity to the parameters influencing architectural and urban ambiances. The experiment demonstrated significant progress in the students' analytical and expressive abilities regarding spatial and sensory characteristics of environments.

**KEYWORDS:** Educational Experience. Spatial Experimentation. Sensory Perception. Ambient Parameters. Representation Mode.

### RESUMO

Este artigo apresenta os resultados de uma experiência pedagógica destinada a sensibilizar os alunos do primeiro ano de arquitetura para a percepção sensorial através da consciência do corpo em ação no espaço circundante. O exercício "Spatial Experiments" desenrola-se em quatro etapas: deambulação intuitiva, deambulação atenta, experimentação física com o envelope e concetualização. Os alunos exploram, analisam e reproduzem os espaços através de diferentes modos de representação (texto, desenho, fotografia, maquetas). Esta abordagem permite-lhes desenvolver uma maior compreensão e sensibilidade aos parâmetros que influenciam os ambientes arquitectónicos e urbanos. A experiência demonstrou um progresso significativo na capacidade dos alunos para analisar e exprimir as características espaciais e sensoriais dos ambientes. Palavras chave: Experiência pedagógica. Experimentação espacial. Percepção sensorial. Parâmetros ambientais. Modo de representação.

## CAPTURING AND REACTIVATING AMBIENCE AS A KEY ISSUE IN SENSIBLE URBAN PLANNING

### A CAPTAÇÃO E REATIVAÇÃO DO AMBIENTE COMO QUESTÃO FUNDAMENTAL DE UM PLANEAMENTO URBANO SENSATO

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#### ABSTRACT

As part of the 4th year of project teaching at the Ecole Nationale d'Architecture et d'Urbanisme in Tunis, our team strives to make students aware of the importance of sensitive, environment-oriented design. Our approach consists of adopting an analysis/project attitude based on field experiments. However, this project-oriented attitude - conscious and aiming to be useful - is somewhat contradictory to the very nature of the atmosphere - pure, a-conscious, sensitive vibration - that we are trying to capture. In addition, the reporting phase of the experiment represents a second challenge. How do you reproduce a feeling that is fleeting, labile and elusive? How do we capture this moment of resonance in concert with the atmosphere? A third challenge is that of the project phase, which aims to reactivate atmospheres that are still present on the ground but have faded over time. In this paper, we wish to report on this ten-year experience, while highlighting the heuristic significance of the limits encountered.

**KEYWORDS:** Sensible Urban Design. Sensory Design. Ambience Capture. Ambience Reactivation. Ambience Representation.

#### RESUMO

No âmbito do 4º ano de ensino de projeto na Escola Nacional de Arquitetura e Urbanismo de Tunes, a nossa equipa esforça-se por sensibilizar os alunos para a importância de uma conceção sensível e orientada para o ambiente. A nossa abordagem consiste em adotar uma atitude de análise/projeto baseada em experiências no terreno. No entanto, esta atitude projectual - consciente e com o objetivo de ser útil - é um pouco contraditória com a própria natureza da atmosfera - vibração pura, consciente e sensível - que estamos a tentar captar. Para além disso, a fase de relato da experiência representa um segundo desafio. Como reproduzir um sentimento que é fugaz, lábil e esquivo? Como é que captamos este momento de ressonância em consonância com a atmosfera? Um terceiro desafio é o da fase de projeto, que visa reativar atmosferas que ainda estão presentes no terreno mas que se desvaneceram com o tempo. Neste artigo, pretendemos dar conta desta experiência de dez anos, sublinhando o significado heurístico dos limites encontrados.

**PALAVRAS-CHAVE:** Conceção urbana sensata. Conceção sensorial. Captação de ambientes. Reativação da ambiência. Representação do ambiente.

## SENSORY TECHNE: EXAMINING LABOR, PROCESS AND PEDAGOGY

## TÉCNICA SENSORIAL: EXAMINANDO TRABALHO, PROCESSO E PEDAGOGIA

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### ABSTRACT

The disciplines within the broader category of environmental design are now seemingly awash in literature and exhibitions extolling the virtues of designing from a multisensory perspective. Yet students in design school still typically encounter this as a fringe topic for a research class or perhaps a thesis project. It is still not experienced as part of their fundamental studio pedagogy and design process which remain highly visually biased. Yet there are other adjacent fields such as the culinary arts, film, fashion and sculpture that have long created rich multi-sensory, atmospheric experiences. What may we learn from them that can be applied to schools of the built environment? This paper examines one of these adjacent disciplines, the culinary arts, and applies it as a framework to rethink the design studio syllabus to see how we may be able to rethink studio pedagogy to more fully embrace multi-sensory design.

**KEYWORDS:** Sensory Design. Pedagogy. Landscape. Architecture. Urban Design. Ambiances.

### RESUMO

As disciplinas dentro da categoria mais ampla de design ambiental estão agora aparentemente inundadas de literatura e exposições que exaltam as virtudes do design a partir de uma perspectiva multissensorial. No entanto, os alunos da escola de design ainda costumam encontrar isso como um tópico marginal para uma aula de pesquisa ou talvez um projeto de tese. Ainda não é experimentado como parte da pedagogia fundamental do estúdio e do processo de design, que permanece altamente tendencioso visualmente. No entanto, existem outros campos adjacentes, como as artes culinárias, o cinema, a moda e a escultura, que há muito criam ricas experiências atmosféricas e multissensoriais. O que podemos aprender com eles que pode ser aplicado às escolas do ambiente construído? Este artigo examina uma dessas disciplinas adjacentes, as artes culinárias, e aplica-a como uma estrutura para repensar o plano de estudos do estúdio de design para ver como podemos ser capazes de repensar a pedagogia do estúdio para abraçar totalmente o design multissensorial.

**PALAVRAS-CHAVE:** Projeto Sensorial. Pedagogia. Paisagem. Arquitetura. Design urbano. Ambientes.

## RE-INVENTING SPACES – TEACHING AMBIANCE THROUGH FILMIC ARCHITECTURAL JOURNEYS

## REINVENTADO ESPACOS - ENSINANDO AMBIÊNCIAS ATRAVÉS DE VIAGENS ARQUITECTÓNICAS CINEMATOGRÁFICAS

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### ABSTRACT

Physical architectural models are known to be catalysts for spatial experimentation in the architectural design studio. With a diverse selection of digital tools available for design creation and ideation the practice of physical making is in a state of flux. Physically experimenting with architectural volume, materials, light, colour and sound increases our experiential knowledge of spatial ambiance. This paper discusses the potential for revitalising the practice of scale model-making in design studio education through theoretical and physical “models for” filmic experimental practice and investigations into ambiance. The proposed video model format allows designers to play with Bergson’s ‘process of unfolding in space’ as a physical experience through digital real-time investigation. The previously static physical model now expressed through filmic journey enhances opportunities to develop personal awareness of spatial ambiances and spatial experiences expressed and perceived by others through the diversity of understandings of the ambiances created.

**KEYWORDS:** ambiance. film. model. pedagogy. interiors.

### RESUMO

As maquetes físicas de arquitetura são catalisadores para a experimentação espacial nos ateliês de projeto. Com uma abundância de ferramentas digitais disponíveis na criação e concepção do desenho, a prática de fazer à mão encontra-se em transformação. A exploração física do volume arquitetônico, materiais, luz, cores e sons proporciona um melhor entendimento dos espaços e ambiências. Este artigo investiga o potencial de revitalizar a prática de construção manual de maquetes na educação nos ateliês de projeto, através de ‘modelos’ teóricos e físicos para prática experimental cinematográfica e estudos de ambiências. O formato de vídeo proposto permite aos designers explorar a teoria de Bergson do desdobramento espacial como experiência física, através de uma exploração digital em tempo real. A maquete física, antes estática, expressa-se agora numa viagem cinematográfica, ampliando as oportunidades de desenvolver uma consciência pessoal das ambiências e experiências espaciais, percebidas e expressas de forma diversa por outros.

**PALAVRAS-CHAVE:** ambiências. filme. maquete. pedagogia. interiores.

## HOW TO TEACH SENSIBILITY IN THE DESIGN PROJECT? TOWARDS AN EXPLORATION OF THE POTENTIAL OF INTEGRATING BODILY ENGAGEMENT INTO DESIGN STUDIO TEACHING.

## COMO ENSINAR A SENSIBILIDADE NO PROJETO DE DESIGN? PARA UMA EXPLORAÇÃO DO POTENCIAL DE INTEGRAÇÃO DO ENVOLVIMENTO CORPORAL NO ENSINO DO ESTÚDIO DE DESIGN.

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### **ABSTRACT**

This article reports on a pedagogical experiment conducted in an undergraduate studio course in interior design at University of Montreal, proposing an alternative teaching approach combining phenomenology of the body and project practice. Inspired by research-creation, the structure of this experimental workshop proposes a fertile dialogue between theory and practice which presents the potential for bringing the body into design education. The presentation of the three exercises and the three types of models created as part of this workshop highlights the potential of this alternative educational approach, as well as the challenges encountered in its teaching. The body and the investigation of its experience emerge as a promising avenue for teaching the sensitive dimension of the built environment, and as a basis for developing a pedagogical approach that extends established models.

**KEYWORDS:** design studio teaching. sensitive experience. body. phenomenology.

### **RESUMO**

Este artigo relata uma experiência pedagógica realizada num curso de estúdio de licenciatura em design de interiores na Universidade de Montreal, propondo uma abordagem de ensino alternativa que combina a fenomenologia do corpo e a prática do projeto. Inspirada na investigação-criação, a estrutura deste workshop experimental propõe um diálogo fértil entre teoria e prática que apresenta o potencial de trazer o corpo para o ensino do design. A apresentação dos três exercícios e dos três tipos de modelos criados no âmbito deste workshop realça o potencial desta abordagem educativa alternativa, bem como os desafios encontrados no seu ensino. O corpo e a investigação da sua experiência surgem como uma via promissora para o ensino da dimensão sensível do ambiente construído e como uma base para o desenvolvimento de uma abordagem pedagógica que alarga os modelos estabelecidos.

**PALAVRAS-CHAVE:** ensino de estúdio de design. experiência sensível. corpo. fenomenologia.

## UNDERSTANDING ARCHITECTURAL AMBIANCE THROUGH ASSEMBLAGE

## COMPREENDENDO A AMBIÊNCIA ARQUITETÔNICA ATRAVÉS DO ASSEMBLAGE

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### ABSTRACT

architecture is an assemblage that has a sensational aspect beyond concrete. Architecture goes beyond concrete structures; it involves the interplay of material, color, sound, technical systems, lighting, users, and designers to create a captivating atmosphere. All these elements are essential in creating the atmosphere and ambiance of any place. However, generating an ambient project demands substantial effort due to its extensive aspects. This paper speculates the theatre as an assemblage for the architectural ambiance-making way. Considering that architecture has various possibilities for creating a built environment, the spatial organisation could be understood through the ambiance. The design resembles Deleuze's abstract machine, as its system is adaptable to changes in personae within its concrete structure. This paper explores the concept of creating ambiance, using Toyo Ito's Sendai Mediatheque as a case study. Examining architectural assemblage offers an alternative and effective approach to understanding the creation of ambiance in design.

**KEYWORDS:** assemblage. abstract machine. Toyo Ito. architecture. theatre.

### RESUMO

A arquitetura é um conjunto que possui um aspecto sensacional além do concreto. A arquitetura vai além das estruturas de concreto; envolve a interação de material, cor, som, sistemas técnicos, iluminação, usuários e designers para criar uma atmosfera cativante. Todos esses elementos são essenciais para criar a atmosfera e o ambiente de qualquer lugar. No entanto, gerar um projeto ambiental exige um esforço substancial devido aos seus aspectos extensivos. Este artigo especula o teatro como um conjunto para a criação de ambiente arquitetônico. Considerando que a arquitetura possui várias possibilidades de criação de um ambiente construído, a organização espacial pode ser compreendida através da ambientação. O design se assemelha à máquina abstrata de Deleuze, pois seu sistema é adaptável a mudanças de personas dentro de sua estrutura concreta. Este artigo explora o conceito de criação de ambiente, utilizando a Mediateca de Sendai de Toyo Ito como estudo de caso. Examinar o conjunto arquitetônico oferece uma abordagem alternativa e eficaz para entender a criação de ambiente no design.

**PALAVRAS-CHAVE:** assemblage. máquina abstrata. Toyo Ito. arquitetura. teatro.



## FROM NATURAL LISTENING TO CRITICAL LISTENING

### ETHNOPEDAGOGICAL EVALUATION OF A SOUND POLICY

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**ABSTRACT**

What place is given to the prerequisites of acoustic competence, such as implicit knowledge and spontaneous improvisations observed in the implementation of various objectives? Whether it is the development of a listening path, a performance evoking sound, or the writing of a personal record of sounds perceived during a day, do the normally neglected acoustic attentions and skills inform us about suddenly awakened specific cognitive and practical consistencies? On what types of dynamics do they depend? The contributions of the educational device, known to all, are thus easily evaluated based on their reuse by the actors and estimated in their generative power of improvisation, creation, both descriptive of situations and inventive of comments and other fictional narratives. In other words, what is the yield for the device, what pedagogical impacts are revealed? This evaluative pause will have the merit of reconsidering the ongoing exchanges between the theoretical moment (a theory of sound in continuous development) and the empirical moment (practical translation of provisional hypotheses) within a precise observational framework.

**KEYWORDS:** Sound Observatory, Sound Ethnography, Ambiance, Acoustic Experience, Situated Listening.

**RESUMO:**

Que lugar é dado aos pré-requisitos da competência acústica, como o conhecimento implícito e as improvisações espontâneas observadas na implementação de vários objetivos? Quer se trate do desenvolvimento de um caminho de escuta, uma performance evocando o som, ou a escrita de um registro pessoal dos sons percebidos durante um dia, as atenções e habilidades acústicas normalmente negligenciadas nos informam sobre consistências cognitivas e práticas específicas subitamente despertadas? De que tipos de dinâmicas elas dependem? As contribuições do dispositivo educacional, conhecidas por todos, são assim facilmente avaliadas com base no seu reaproveitamento pelos atores e estimadas no seu poder gerador de improvisação, criação, tanto descritiva de situações quanto inventiva de comentários e outras narrativas ficcionais. Em outras palavras, qual é o rendimento para o dispositivo, quais impactos pedagógicos são revelados? Esta pausa avaliativa terá o mérito de reconsiderar as trocas em andamento entre o momento teórico (uma teoria do som em desenvolvimento contínuo) e o momento empírico (tradução prática de hipóteses provisórias) dentro de um quadro observacional preciso.

**PALAVRAS-CHAVE:** Observatório de Som, Etnografia Sonora, Ambiência, Experiência Acústica, Escuta Situada.



# L24

## THE FLUVIAL URBAN LANDSCAPE - IN SEARCH OF A NEW URBAN AMBIANCE FOR RIVERS

**CHAIRS**    **Marluci Menezes**  
                  **Carlos Smaniotto Costa**

The production of urban places enhances the creation of unique environments that reinforce people's connection to the environment—physical, natural, built, and social. Particularly through the appropriation and provision of cognitive, sensitive, sensorial, and sociocultural atmospheres that generate memories, as well as being and comfort, is an emerging challenge. Specifically, if we associate it with contemporary societal needs for more sustainable and resilient urban contexts, both aspects present themselves as challenges to which it is urgent to find answers that are more agile, flexible, and adapted to socio-spatial contexts. This session aims to provide a debate on these challenges based on the theme of urban rivers, mainly with regard to their (re)naturalization, socio-spatial contextualization, and the involvement and participation of riverside communities. Rivers are among the most endangered ecosystems in the world, although they play a fundamental role in the urban environment, for public health and well-being. It inquires about the perspectives of building scientific and social knowledge, the use and appropriation of river landscapes, and the respective recovery and creation of new memories, as well as the perspectives of co-creating approaches for the rehabilitation of rivers in urban contexts, transforming them into places.

## THE RIVER AND THE METROPOLIS: FINDING AN EQUILIBRIUM BETWEEN PAST AND FUTURE USES OF THE ST-LAWRENCE RIVERSIDE IN MONTRÉAL.

## O RIO E A METRÓPOLE: ENCONTRANDO UM EQUILÍBRIO ENTRE OS USOS PASSADOS E FUTUROS DA MARGEM DO RIO ST-LAWRENCE EM MONTRÉAL.

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### **ABSTRACT**

This article explores the transformation of urban blue spaces in Montréal, focusing on three riverside areas along the St. Lawrence River. Since the 1990s, Montréal has undertaken revitalization efforts, transforming post-industrial landscapes into dynamic public spaces that reconnect citizens with the river. These areas face challenges such as industrial legacies and pressures for reindustrialization versus green and blue public spaces. The study integrates cultural analysis, political ecology, design and counter-mapping to document historical uses, analyze cultural layers and propose future strategies for Montréal's waterfront areas. Although surrounded by 266 km of shoreline, Montréal faces access problems due to the industrial presence and privatization of the riverbanks. Projects such as "À nous les rives !" by the design coop Le Comité aims to reclaim these spaces, emphasizing sustainable development and community involvement. The analysis examines global variations in urban waterfronts, focusing on natural, landscaped and neglected environments shaped by historical, political and social contexts. This research highlights Montréal's evolving relationship with water, combining environmental management with public accessibility and cultural enhancement.

**KEYWORDS:** urban ambiances, cultural scenes, urban design, cultural transformation, cultural political ecology.

### **RESUMO**

Este artigo explora a transformação dos espaços azuis urbanos em Montréal, centrando-se em três zonas ribeirinhas ao longo do rio São Lourenço. Desde a década de 1990, Montréal tem empreendido esforços de revitalização, transformando paisagens pós-industriais em espaços públicos dinâmicos que reconectam os cidadãos com o rio. Estas áreas enfrentam desafios como os legados industriais e as pressões para a reindustrialização versus espaços públicos verdes e azuis. O estudo integra análise cultural, ecologia política, design e contra-mapeamento para documentar usos históricos, analisar camadas culturais e propor estratégias futuras para as zonas ribeirinhas de Montréal. Embora rodeada por 266 km de costa, Montréal enfrenta problemas de acesso devido à presença industrial e à privatização das margens do rio. Projectos como "À nous les rives !" da cooperativa de design Le Comité visam recuperar

estes espaços, com ênfase no desenvolvimento sustentável e no envolvimento da comunidade. A análise examina as variações globais nas frentes de água urbanas, centrando-se em ambientes naturais, paisagísticos e negligenciados, moldados por contextos históricos, políticos e sociais. Esta investigação realça a evolução da relação de Montréal com a água, combinando a gestão ambiental com a acessibilidade pública e a valorização cultural.

**PALAVRAS-CHAVE:** ambientes urbanos, cenas culturais, design urbano, transformação cultural, ecologia política cultural.

## RIO PARAÍBA DO SUL: VESTÍGIOS E MEMÓRIAS NO TERRITÓRIO PAULISTA

### PARAÍBA DO SUL RIVER: TRACES AND MEMORIES IN SÃO PAULO'S TERRITORY

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#### **ABSTRACT**

The Paraíba do Sul River, which traverses the Brazilian states of São Paulo, Rio de Janeiro, and Minas Gerais, holds historical importance for the country. In 1717, an image of Our Lady was found in its waters, later on. She became the country's patron saint. The river is associated with popular festivals, pilgrimages, professional activities. It was used as a driving force for the installation of factories along the Rio-São Paulo axis, one of the most important fronts of Brazilian industrialization. However, the degradation of its waters and the critical state of basic sanitation are well known. This research focus on eight cities in the Vale do Paraíba in São Paulo state, which, in addition to the river, had the railway as a key element in shaping the landscapes, the economy and the social life. The aim is to reflect on actions that can restore the physical and symbolic importance of this river and to discuss issues related to other sectors, with the perspective of supporting future environmental and cultural preservation policies.

**KEYWORDS:** Paraíba do Sul River. Vale do Paraíba Paulista. fluvial landscapes. memories. cultural preservation.

#### **RESUMO**

O Rio Paraíba do Sul, que atravessa os estados brasileiros de São Paulo, Rio de Janeiro e Minas Gerais, tem importância histórica para o Brasil. Em 1717, foi encontrada em suas águas uma imagem de Nossa Senhora que, mais tarde, tornou-se padroeira do país. Ao rio estão vinculadas festas populares, romarias, profissões. O rio foi utilizado como força motriz para instalação de fábricas no eixo Rio-São Paulo, corredor dos mais importantes da industrialização brasileira. Porém, é notória a degradação de suas águas e a situação crítica do saneamento básico. A pesquisa tem como recorte oito cidades vale-paraibanas paulistas que, além do rio, tiveram a ferrovia como estruturadora das paisagens, da economia e da vida social. Espera-se refletir sobre ações que resgatem a importância física e simbólica desse rio e discutir questões sobre outros setores, com a perspectiva de amparar futuras políticas de preservação ambiental e cultural.

**PALAVRAS-CHAVE:** Rio Paraíba do Sul. Vale do Paraíba paulista. paisagens fluviais. memórias. preservação cultural.

## VALUING THE WATER THAT FLOWS THROUGH CITIES – A PROJECT FOR QUALITY OF LIFE

## A VALORIZAÇÃO DAS ÁGUAS QUE CORREM PELAS CIDADES – UM PROJETO PARA QUALIDADE DE VIDA

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### **ABSTRACT**

The coexistence of urban concentrations with rivers is a classic theme in city planning. It is timely given the climate change emergency and recent disasters. The use of water in addition to collecting and disposing of inconsequential, incorrect actions causes catastrophes, such as devastating floods. The banks, surroundings and beds of water courses are unique environments, in addition to visual, well-being and comfort, they are also places where living beings are close to nature. Knowledge and technology, adequate zoning and stress on land use restrictions, combined with awareness, the participation of riverside communities and everyone's efforts towards sustainability and resilience, defining the quality of life for several generations. This work is focused on the urban river environment. It presents some case studies in Brazil and references in the rest of the world, whether successful or problematic, as well as those that call for solutions.

**KEYWORDS:** depollution. drainage. landscaping. urbanism. sustainability.

### **RESUMO**

O convívio de concentrações urbanas com os rios é tema clássico no planejamento das cidades. É oportuno, dada emergência das mudanças climáticas e recentes desastres. O uso inadequado das águas na captação e descarte além das ações inconsequentes, não acertadas, causam catástrofes, como enchentes devastadoras. As margens, entornos e leitos dos cursos de água são ambientes singulares, além do visual, bem estar e conforto também locais de aproximação dos seres vivos com a natureza. Conhecimento e tecnologia, zoneamento adequado e rigidez nos regulamentos de uso do solo, aliados à consciência, à participação das comunidades ribeirinhas e ao esforço de todos para a sustentabilidade e resiliência definirão a qualidade de vida para várias gerações. O presente trabalho está voltado para o ambiente fluvial urbano. Apresenta alguns estudos de caso no Brasil e referências no resto do mundo, bem sucedidos ou problemáticos, assim como os que clamam por soluções.

**PALAVRAS-CHAVE:** despoluição. escoamento. paisagismo. urbanismo. sustentabilidade.

## VERNACULAR ADAPTATION IN AMAZONIAN SOCIAL HOUSING

### ADAPTAÇÃO VERNACULAR EM HABITAÇÃO DE INTERESSE SOCIAL AMAZÔNICA

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#### ABSTRACT

Over the last six decades, state programs that have sought to resolve the housing issue in Brazil have generally adopted a standardized form of offer without any relation to place, and in the Amazon it has been no different. The aim is to gain a global understanding of the spatial changes that have taken place in the Riacho Doce, Pantanal and surrounding areas to indicate adaptations and resistance. It was possible to interpret, with the help of the term adaptation, how living in these areas undergoes transformations and how residents make adaptations so as not to disconnect from their original way of living, linked to the Amazonian riverside way of life. A narrative literature review was carried out, as well as qualitative research, with non-participant observation and analysis of photographic records at various times during the occupations. As a result, architectural, spatial, cultural and social expressions were identified, which have resisted time and external interventions, highlighting the relationship between living and the waters of the igarapé.

**KEYWORDS:** adaptation. housing complex. interventions. vernacular housing. riverine way of life. Amazônia.

#### RESUMO

Ao longo das últimas seis décadas, os programas estatais que procuraram resolver a questão habitacional no Brasil têm adotado geralmente uma forma padronizada de oferta sem qualquer relação com o lugar, na Amazônia não foi diferente. Objetiva-se compreender, de forma global, as mudanças espaciais ocorridas nas áreas do Riacho Doce, Pantanal e adjacências para indicar adaptações e resistências. Foi possível interpretar, com auxílio do termo adaptação, a forma como o morar nessas áreas sofre transformações e como os moradores realizam modificações para não se desconectar com sua forma de morar original, vinculado ao modo de vida ribeirinho amazônico. Realizou-se uma revisão bibliográfica narrativa, pesquisa qualitativa, com observação não participante e análise de registros fotográficos em vários momentos das ocupações. Como resultado, identificou-se expressões arquitetônicas espaciais, culturais e sociais, que resistem ao tempo e às intervenções externas, destacando-se a relação do morar com a águas do igarapé.

**PALAVRAS-CHAVE:** adaptação. conjunto habitacional. intervenções. habitação vernacular. modo de vida ribeirinho. Amazônia.



## LANDSCAPE AND SENSITIVE APPROACHES IN FLOODSCAPE URBANISM. GRENOBLE METROPOLITAN AREA AS A "LABORATORY" OF ECOLOGICAL URBAN PLANNING ?

### PAISAGEM E ABORDAGENS SENSÍVEIS NO URBANISMO DE ÁREAS INUNDÁVEIS. ÁREA METROPOLITANA DE GRENOBLE COMO UM 'LABORATÓRIO' DE PLANEJAMENTO URBANO ECOLÓGICO?

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#### ABSTRACT

In a context of increasing ecological concern among territory planning stakeholders, the tools and processes shaping urban practice are expected to evolve. Landscape theory and its associated sensitive approaches are gaining momentum in both design practices and urban planning processes. This communication aims to present the example of Grenoble's history with its rivers and the new approaches in urban planning, aiming to introduce ambiances and landscape as a framework for floodscape urbanism.

**KEYWORDS:** Ecologization of urban planning / Landscape and sensitive approaches and urban planning tools.

#### RESUMO

Num contexto de crescente preocupação ecológica entre as partes interessadas no planeamento do território, espera-se que os instrumentos e processos que moldam a prática urbana evoluam. A teoria da paisagem e as abordagens sensíveis que lhe estão associadas estão a ganhar força tanto nas práticas de design como nos processos de planeamento urbano. Esta comunicação pretende apresentar o exemplo da história de Grenoble com os seus rios e as novas abordagens no planeamento urbano, com o objetivo de introduzir os ambientes e a paisagem como um quadro para o urbanismo de paisagem inundável.

**PALAVRAS-CHAVE:** Ecologização do planeamento urbano / Abordagens paisagísticas e sensíveis e instrumentos de planeamento urbano.



# L25

## THE SENSORY AND SENSITIVE IDENTITY OF MEDITERRANEAN CITIES

### CHAIRS

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Toumadher Ammar  
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The Mediterranean has always been a hub for multiple exchanges and transfers between civilizations. It has consistently beckoned its inhabitants to travel, meet, and explore, encouraged by the apparent benevolence of its waters. The timeless call to venture beyond, recounted in mythology or etched onto the boats of ferry operators, has facilitated connections across diverse sensory universes. These universes resonate with each other and echo. There exists a palpable porosity between the ambiances of different regions that define its boundaries and extend even beyond. These ambiances, resonating among themselves, embody a Mediterranean way of life that implies a particular conception of time.

Today, questions of Urban Identity and City Branding emerge in various cities around the Mediterranean. These themes are gaining prominence both in architectural and urban planning education and in urban policies. This interest has been cultivated in different southern Mediterranean countries to address the significant urban transformations affecting both formal and informal aspects of cities. The consequence is an erasure of the primary urban and sensory characteristics of these cities, along with a fading of their inhabitants' memories. This prompts us to reflect on the evolving identity of Mediterranean cities.

How can we first define the urban and sensory identity of Mediterranean cities? What are the foundations for creating and/or preserving an identity rooted in duration, history, and the flow of

evolution? What role does ambiance and sensory space play in shaping the unique urban character of these cities?

In this session, we propose to explore cross-cutting issues that may reveal characteristics of an ambiance specific to the Mediterranean context. How does ambiance manifest and integrate into the treatment of Mediterranean cities today? Where does the Mediterranean space extend to? Is it perceptible in practices beyond the presence of a climate and conditions typical of “waterfront” cities? We ponder whether there truly exist distinctly Mediterranean ambiances. What elements constitute these ambiances? Can we identify sensitive qualities and atmospheric traits that distinguish the Mediterranean character of an ambiance?

(1) Thibaud Jean Paul in « Il faudrait se demander s’il existe des ambiances proprement méditerranéennes » entretien croisé avec Jean Paul Thibaud et François Laplantine, propos recueillis par Toumadher Ammar, in Méditerraner, tête à tête n°9, Rouge Profond, 2018.

## DYNAMIC DAYLIGHT, ATMOSPHERE AND PERCEPTION: EXPLORING THE QUALITIES OF DAYLIGHT APERTURE IN ISMAILIA CITY

## LUZ NATURAL DINÂMICA, ATMOSFERA E PERCEPÇÃO: EXPLORANDO AS QUALIDADES DA ABERTURA DA LUZ DO DIA NA CIDADE DE ISMAILIA

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### ABSTRACT

This article examines apertures as key architectural elements for addressing daylight in Ismailia City, Egypt. It is known for its diverse architectural styles in residential buildings and employs distinct approaches to daylight through various aperture features. The outcome is a rich typology of forms. These apertures influence daylight's physical and non-physical atmospheric qualities, impacting users' subjective experiences including perception and emotional status. This study analyzes how daylight quantity and quality affect residential spaces, focusing on dynamic daylight's impact on atmosphere and user experience. A 3D model with fixed parameters and various apertures was used for experimental analysis, employing simulation software, 360° photos, VR headsets, and questionnaires. Results reveal the complications of achieving both quantitative daylight measures and qualitative user needs. Findings reveal newer buildings may meet physical metrics but fail in user atmosphere evaluations, highlighting apertures' role in enhancing dynamic daylight and thus atmosphere, which is crucial in residential design.

**KEYWORDS:** Dynamic Daylight. Atmosphere. Perception. Ismailia aperture. Virtual Reality.

### RESUMO

Este artigo explora as aberturas como elementos arquitetônicos cruciais para o uso da luz natural em Ismailia, Egito, conhecida por sua diversidade arquitetônica em edifícios residenciais como o colonial francês, o islâmico e o Art Déco, cada um com características distintas de abertura. Essas influenciam tanto as qualidades físicas quanto atmosféricas da luz natural, afetando a percepção e o estado emocional dos usuários. O estudo analisa o impacto da quantidade e qualidade da luz natural nos espaços residenciais, focando na luz dinâmica e sua influência na atmosfera e na experiência do usuário. Utilizando um modelo 3D com parâmetros fixos e diversas aberturas, a pesquisa usou software de simulação, fotos 360°, realidade virtual e questionários. Os resultados revelam desafios na medição quantitativa e qualitativa da luz natural, enfatizando o papel vital das aberturas em aprimorar a luz dinâmica e a atmosfera no design residencial.

**PALAVRAS-CHAVE:** Luz Natural Dinâmica. Atmosfera. Percepção. Abertura em Ismailia. Realidade Virtual.

## SENSORY IDENTITY OF MEDITERRANEAN CITIES: FOSTERING ARCHITECTURAL, URBAN, AND CULTURAL DIVERSITY. EXPERIENCES PEDAGOGICAL IN EGYPT AND LEBANON

## IDENTIDADE SENSORIAL DAS CIDADES MEDITERRÂNEAS: PROMOVENDO DIVERSIDADE ARQUITETÔNICA, URBANA E CULTURAL. EXPERIÊNCIAS PEDAGÓGICAS NO EGITO E NO LÍBANO

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### ABSTRACT

This article explores urban identity in Mediterranean cities facing rapid urbanization and transformation, which threaten their unique historical, cultural, and environmental characteristics. Focusing on Egypt and Lebanon, the study highlights the role of governmental and academic initiatives in preserving urban identity through a multidimensional approach that integrates participatory engagement, cross-cultural exchange, and sensory exploration. Workshops in Cairo and Saida emphasize tangible and intangible urban experiences, capturing elements like the sacred ambiances of Cairo's Pyramids Plateau and the sensory features of Saida's urban terraces. The study aims to deepen understanding of urban identity, foster culturally resonant urban development, and empower communities to actively participate in heritage preservation, ultimately creating inclusive and sustainable urban spaces in the Mediterranean region.

**KEYWORDS:** Ambiances. Sensory Identity. Urban Terraces. Saida. Pyramids Plateau. Mediterranean Cities. Cross-Cultural Pedagogical Exchange. Participatory Approach.

### RESUMO

Este artigo explora a identidade urbana nas cidades mediterrâneas que enfrentam rápida urbanização e transformação, ameaçando suas características históricas, culturais e ambientais únicas. Focando no Egito e no Líbano, o estudo destaca o papel das iniciativas governamentais e acadêmicas na preservação da identidade urbana através de uma abordagem multidimensional que integra engajamento participativo, intercâmbio cultural e exploração sensorial. Workshops realizados no Cairo e em Saída enfatizam as experiências urbanas tangíveis e intangíveis, capturando elementos como as ambiências sagradas do Planalto das Pirâmides do Cairo e as características sensoriais dos terraços urbanos de

Saída. O estudo visa aprofundar a compreensão da identidade urbana, promover um desenvolvimento urbano culturalmente ressonante e capacitar as comunidades a participarem ativamente da preservação do patrimônio, criando, em última instância, espaços urbanos inclusivos e sustentáveis na região mediterrânea.

**PALAVRAS-CHAVE:** Ambiências. Identidade Sensorial. Terraços Urbanos. Saída. Planalto das Pirâmides. Cidades Mediterrâneas. Intercâmbio Pedagógico Intercultural. Abordagem Participativa.

## ENHANCING URBAN GREEN AMBIANCES: AN EXAMINATION OF PUBLIC GREEN AREAS IN ISMAILIA CITY

## MELHORANDO AMBIENTES VERDES URBANOS: UM EXAME DE ÁREAS VERDES PÚBLICAS NA CIDADE DE ISMAILIA

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### ABSTRACT

Public green areas are vital for vibrant cities, influencing urban character and inhabitants' well-being. Ismailia, an Egyptian city, was designed as a garden city, incorporating greenery as a defining feature. However, these green areas have been neglected, leading to underutilization despite landscaping elements like greenery and benches. This study examines Ismailia's public green areas to understand the cause of their underperformance. The analysis examines not just the landscape elements but also the ambiance they create and their role in enhancing green spaces. For example, densely tall trees may offer shade in hot climates like Egypt but also dim ambiance by reducing light and scattering artificial lighting, creating a fearsome atmosphere that discourages use. Additionally, a comprehensive analysis of sensory elements and social activities in these areas was undertaken to understand the physical framework that shapes their sensory experience and provide landscape design recommendations to enhance their overall ambiance.

**KEYWORDS:** Green areas, Ambiance, Landscape, Ismailia City, Sensory Experience.

### RESUMO

Este estudo analisa as zonas verdes públicas na cidade egípcia de Ismailia e a razão pela qual elas estão subutilizadas. Embora Ismailia tenha sido concebida como uma cidade-jardim, as áreas verdes têm sido negligenciadas, apesar de conter elementos paisagísticos como vegetação e bancos. A análise examina não apenas os elementos físicos das zonas verdes, mas também o ambiente que criam e como isso influencia sua utilização. Por exemplo, árvores altas proporcionam sombra em climas quentes, mas elas também podem diminuir a iluminação e criar uma atmosfera assustadora, desencorajando as pessoas a usarem esses espaços. Além disso, o estudo analisa os elementos sensoriais e as atividades sociais nessas áreas, a fim de compreender sua experiência sensorial global e fornecer recomendações para melhorar o design paisagístico. Em suma, o estudo busca entender os problemas das zonas verdes em Ismailia e propor soluções para melhorar sua utilização e ambiente.

**PALAVRAS-CHAVE:** Espaços verdes, Ambiente, Paisagem, Cidade de Ismailia, Experiência Sensorial.



## CULTURE REDEFINED: PHANTOM LIMBS OF ALEXANDRIA.

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### ABSTRACT

Located along the northwestern shore of the Delta in Egypt, serving as evidence to the rich tapestry of human civilization lies the city of Alexandria, Egypt. Aging back millennia, integrating together the legacies of ancient Egypt, Macedonia and Roman conquests, Islamic caliphates, Ottoman empire and the modern Arab influence. This research focuses on a journey to redefine spatial perception within the context of Alexandria's cultural heritage, recognizing the relation between tangible architectural forms and intangible narratives that form the city's identity. At the heart of this attempt lies a profound appreciation for the complex layers of Alexandria's history. Each architectural element stands as a testament to the city's illustrious past. However, Alexandria's cultural heritage extends beyond physical and built objects, encompassing intangible elements such as language, traditions, religions and beliefs and collective memories. Inspired from Aldo Rossi's vision on urban memory concept, this research seeks to clear out the importance of architectural artifacts as cache of collective identity and a trial to understand whether the concept of multiculturalism has impacted the city's identity in a positive or negative manner. By conducting cultural and historical surveys, tangible and intangible heritage artifacts classifying and documenting them in a trial to provide a comprehensive understanding of Alexandria's cultural landscape. These surveys will serve as a vital foundation for the virtual representation of Alexandria's heritage for the sake of commemorating the city's legacy. Al Manshiya square is a compelling case study that illuminates the consequences of neglecting cultural preservation within Alexandria's urban fabric. A once vibrant heritage site, buried in the echoes of the past centuries, now stands neglected and forgotten. This transformation underlines the urgent need for new means of conservation efforts that safeguard Alexandria's cultural heritage for future generations. Utilising the exclusive technologies we own these days; this research harnesses the capabilities of virtual and augmented realities along with the AI tools to create immersive experiences that invite users to engage with Alexandria's heritage in new and meaningful ways. Creating an interactive simulation through virtual representation of the built heritage and integrating the sensory experience of the intangible heritage, visitors can explore the city's iconic landmarks and scabble around its rich history, bridging the gap between past and present. Reinforcing the community engagement and raise awareness through the lens of the technological innovations in digital preservation, each phase contributes to a comprehensive strategy for safeguarding Alexandria's cultural legacy. In conclusion, this research underscores the enduring importance of Alexandria's cultural heritage as a source of inspiration, and connection. By reimagining spatial perception and embracing new technologies. Ensuring that Alexandria's story continues to inspire generations to come.

**KEYWORDS:** human, perception, culture, heritage, image, Alexandria, digital cultural heritage.

## THRESHOLDS, POROSITY, INFORMALITY: THE IMPACT OF COVID-19 ON FOODSCAPES AND CITY HOSPITALITY

### LIMIARES, POROSIDADE, INFORMALIDADE: O IMPACTO DA COVID-19 NAS PAISAGENS ALIMENTARES E NA HOSPITALIDADE DAS CIDADES

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#### **ABSTRACT**

Flux and movements are notions that describe the contemporary urban life underscoring the important dimension of mobility. During the Covid-19 pandemic, the lockdown of cities has created an unprecedented urban atmosphere. It disrupted the normal rhythms of city creating a break, decelerated rhythms and offered new sensory experiences within the city. The health crisis led to a reorganization of cities, with various adjustments affecting city hospitality. Some changes aimed to create a more welcoming environment while others caused a decrease in social interactions and increased voids and interstices within the urban landscape. This paper focuses on the qualities of the urban environment in three Mediterranean cities that made it possible to (re)inhabit the city. Porosity of thresholds, informality, appropriation of public spaces and some other specific qualities of the urban environments typical in the Mediterranean architecture played a role in reassuring residents and encouraging breaks and public interactions.

**KEYWORDS:** Ambiances. Porosity. Thresholds. Foodscape. Adaptability. Informal uses. Covid-19. Sensory Experience.

#### **RESUMO**

Fluxo e movimento são noções que descrevem a vida urbana contemporânea sublinhando a importante dimensão da mobilidade. Durante a pandemia de Covid-19, o confinamento das cidades criou uma atmosfera urbana sem precedentes. Perturbou os ritmos normais da cidade criando uma pausa, desacelerou os ritmos e ofereceu novas experiências sensoriais dentro da cidade. A crise sanitária levou a uma reorganização das cidades, com vários ajustes que afetaram a hospitalidade urbana. Algumas mudanças visaram criar um ambiente mais acolhedor, enquanto outras provocaram uma diminuição nas interações sociais e aumentaram os vazios e interstícios na paisagem urbana. Este artigo centra-se nas qualidades do ambiente urbano de três cidades mediterrânicas que permitiram (re)habitar a cidade. A porosidade dos limiares, a informalidade, a apropriação dos espaços públicos e algumas outras qualidades específicas dos ambientes urbanos típicos da arquitetura mediterrânica desempenharam um papel importante na tranquilização dos residentes e no incentivo às pausas e às interações públicas.

**PALAVRAS** chave: Ambientes. Porosidade. Limiares. Adaptabilidade. Usos informais. COVID-19. Experiência sensorial.

# L27

## THINKING AMBIANCES THROUGH EXPERIMENTATION: A RESEARCH AND TEACHING RESOURCE THROUGH EXPERIENCE

### CHAIRS

Théo Marchal  
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Amal Abu Daya

Over the past few years, the concept of experimentation has emerged as a central theme in the exploration of ambiances, particularly for its role in testing and experiencing situated actions and their effects. This strong emphasis on the embodied experience, whether by a designer, actor, user, or a combination of these roles, positions experimentation as a pivotal tool in thinking about spatial design's impact on ambiances.

Despite its significance, the concept of experimentation remains relatively underexplored and inadequately acknowledged as a distinct methodological approach within our research domain, even though it bridges pertinent questions and approaches relevant to both pedagogy and research.

This session aims to present experimentation as a dedicated "ambiance practice", providing a framework for the systematic exploration of ambiances through design, fabrication, and the corporeal engagement with constructed spatial environments thus establishing an essential link between the initial concept and the perceptive reality of the built space.

This comprehensive process involves reflecting on the diverse range of tools available and their interplay with design (manual tools, digital tools, algorithms, artificial intelligence, etc.), realization (conventional tools, numerically controlled machines, customized tools, etc.), and evaluation (perception, metrology, surveys, etc.). Encouraging an inquiry into the diverse array of tools, this discourse invites an examination of their impact and contributions to the overarching “practice of ambiances” encapsulated by the concept of experimentation.

Furthermore, this session provides an opportunity to scrutinize the direct or indirect links between teaching, research, and/or professional applications. Participants can highlight connections between various fields of application, whether identified retrospectively or prospectively, and identify reciprocal or distinct “inputs”.

In summation, this session is intended as a time and a place for exchanging ideas and presenting the current state of contemporary thought on the subject. It aspires to showcase new concepts and practices emerging at the intersection of issues related to ambiances and experiences, while exploring areas that bind pedagogy, research, and the professional world.

## LEICA: L'ESPACE IMMERSIF DE CONCEPTION ARCHITECTURALE, A DESIGN RESEARCH TOOL FOR EXPERIENTIAL TEACHING AND EXPERIMENTATION

## LEICA: L'ESPACE IMMERSIF DE CONCEPTION ARCHITECTURALE, UMA FERRAMENTA DE INVESTIGAÇÃO EM DESIGN PARA O ENSINO EXPERIMENTAL E A EXPERIMENTAÇÃO

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### ABSTRACT

This paper sets out to present LEICA, l'Espace Immersif de Conception Architecturale, the immersive architectural design space, an educational design research tool installed in 2016 at the ENSA Grenoble and developed within the framework of the Digital RDL chair within the Digital Research by Design Lab, a digital manufacturing laboratory and space dedicated to the master's program 'Architecture, Ambiance and Digital Culture'. The role and aim of this immersive tool is to introduce a reflection-in-action stage in the creative design process where students can experiment, test, prototype, transform, experience and evaluate design ideas and their effects through an embodied experience. It gives students the opportunity to design atmospheres and explore ambiences through experimentation, thus introducing ambiences and a sentient lived experience in the design process.

**KEYWORDS:** Immersive experience. Research by design. Experiential pedagogy. Prototyping atmospheres.

### RESUMO

Este artigo tem como objetivo apresentar o LEICA, l'Espace Immersif de Conception Architecturale, o espaço imersivo de concepção arquitetônica, uma ferramenta educativa de investigação em design instalada em 2016 na ENSA Grenoble e desenvolvida no âmbito da cadeira Digital RDL dentro do Digital RDL, um laboratório de fabricação digital e espaço dedicado ao programa de mestrado "Arquitetura, Ambiente e Cultura Digital". O papel e o objetivo desta ferramenta imersiva é introduzir uma fase de reflexão-em-ação no processo de design criativo, em que os estudantes podem experimentar, testar, criar protótipos, transformar, experimentar e avaliar ideias de design e os seus efeitos através de uma experiência incorporada. Dá aos alunos a oportunidade de projetar atmosferas e explorar ambientes através da experimentação, introduzindo assim ambientes e uma experiência vivida sentiente no processo de design.

**PALAVRAS-CHAVE:** Experiência imersiva. Pesquisa por design. Pedagogia experiencial. Prototipagem de ambientes.

## METHODOLOGY FOR THE ESTIMATION AND INTEGRATION OF OCCUPANTS' PSYCHOLOGICAL ADAPTATION IN INDOOR PERCEIVED COMFORT EVALUATION

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### ABSTRACT:

The objective of this paper is to develop a methodology of thermal comfort evaluation that takes into account the psychological adaptations of occupants in indoor spaces. An existing adaptive comfort model (Yao et al., 2009) was adopted and enhanced which take into account the physiological and adaptive component of thermal comfort. As a result, a psychological adaptive comfort model is proposed. To derive the closure equation of this model, some experimental protocols were done. These experiments involves placing some subjects in various thermal "hot" and "cold" conditions in an indoor space and collecting both the physical thermal measurements and the quantifiable thermal perceptions of the subjects. Therefore, psychological adaptation is evaluated based on the deviation between physiological thermal evaluation and the actual thermal perceptions of the subjects. This evaluation is linked to the influence of the physical thermal stimuli experienced by the subjects and psychological "information" in the subjects' cognitive memory (subjects' representations). To simplify this evaluation, this psychological adaptation is further linked to the indoor operative temperature and the outdoor air temperature.

**KEYWORDS:** psychological adaptation, thermal perception, perceived comfort, adaptive component, modeling.

## TEACHING AMBIANCES THROUGH IMMERSIVE EXPERIENCE: THE REPRESENTATION SEMINAR AS A MEDIUM

### AMBIENTES DE ENSINO ATRAVÉS DA EXPERIÊNCIA IMERSIVA: O SEMINÁRIO DE REPRESENTAÇÃO COMO MEIO

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#### ABSTRACT

Our project summarizes the results of a pedagogical experiment designed to raise awareness of sensory perception among first-year architecture students, focusing on the body's interaction with the surrounding space. The exercise, entitled «Spatial Experiments», comprises four stages. The first, "Errance Intuitive", encourages students to explore various spaces and express their sensations through different modes of representation. The second, "Attentive immersion", asks them to identify and describe qualitatively the sensory parameters of the spaces they visit. The third stage, "Representation", invites students to create models simulating the effects observed. The final stage, "Transposition", involves designing an abstract model (as mind map, transect) expressing their sensory experiences. This educational experience enabled the students to progress in their understanding of architectural and urban environments, developing their analytical and creative skills, as well as their ability to represent these environments using different drawing techniques.

**KEYWORDS:** immersive experience. atmospheres. Education. pedagogical tool. Sensory perception.

#### RESUMO

Este artigo apresenta os resultados de uma experiência pedagógica destinada a sensibilizar os alunos do primeiro ano de arquitetura para a percepção sensorial, centrada na interação do corpo com o espaço envolvente. O exercício, intitulado «Experiências espaciais», divide-se em quatro fases. A primeira, «Deambulação Intuitiva», incentiva os alunos a explorar vários espaços e a expressar as suas sensações através de diferentes modos de representação. A segunda, «Deambulação Atenta», pede-lhes que identifiquem e descrevam qualitativamente os parâmetros sensoriais dos espaços que visitam. A terceira etapa, «Experiências físicas sobre o envelope», convida os alunos a criar modelos que simulem os efeitos observados. A última etapa, «Conceptualização», consiste em conceber um modelo abstrato que exprima as suas experiências sensoriais. Esta experiência pedagógica permitiu que os alunos progredissem na sua compreensão dos ambientes arquitectónicos e urbanos, desenvolvendo as suas capacidades analíticas e criativas, bem como a sua capacidade de representar esses ambientes.

**PALAVRAS-CHAVE:** experiência imersiva. atmosferas. Educação. Percepção sensorial.

## "AIR DES CARRIÈRES", A CLIMATIC BENCH TO FIGHT URBAN HEAT ISLAND IN PARIS. STORY OF A SCALE ONE EXPERIMENTAL URBAN FURNITURE.

## "AIR DES CARRIÈRES", UM BANCO CLIMÁTICO PARA COMBATER A ILHA DE CALOR URBANA EM PARIS. HISTÓRIA DE UM MÓVEL URBANO EXPERIMENTAL DE ESCALA UM.

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### **ABSTRACT**

"Air des carrières" is a prototype for a public bench that pumps cool air from underground quarries to cool down Paris public space during heat waves. The one-to-one scale prototype was tested during the summer of 2021. After explaining how the bench is able to cool down its surrounding, this paper mainly focuses on how the prototype was implemented and on the technical and political difficulties that occurred. It will show how technical and social data were collected to improve the design. It will conclude on the difficulties that remain to create a permanent version.

**KEYWORDS:** Prototype, Urban heat island, Public space, Urban furniture.

### **RESUMO**

"Air des carrières" é um protótipo de um banco público que bombeia ar frio de pedreiras subterrâneas para arrefecer o espaço público de Paris durante as ondas de calor. A escala um para um foi testada durante o verão de 2021. Depois de explicar como a bancada é capaz de arrefecer a sua envolvente, este artigo centra-se principalmente na forma como o protótipo foi implementado e nas dificuldades técnicas e políticas que ocorreram. Mostrará como os dados técnicos e sociais foram recolhidos para melhorar o design. Concluirá sobre as dificuldades que permanecem para criar uma versão permanente.

**PALAVRAS-CHAVE:** Protótipo, Ilha de calor urbano, Espaço público, Mobiliário urbano.



## COMPARATIVE ASSESSMENT OF THE PERCEIVED THERMAL COMFORT OF OCCUPANTS IN GLAZED DOUBLE SKIN FAÇADE BUILDINGS

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### ABSTRACT:

The aim of this paper is to explore a comparative assessment of the thermal perception of occupants in glazed buildings. This is to be able to enumerate empirically the strength and deficiency of these glazed façade as it relates to occupants' perceived comfort. Thus, the case study of two office buildings of which one is enveloped by glazed single skin façade (SSF) and the other by double skin façade (DSF) is being proposed. This paper therefore discusses only the preliminary investigation of the single skin façade (SSF) office building in Bordeaux during the spring season. This was done by collecting the physical thermal measurement of the office space via data logger instruments and the perceptive evaluations via questionnaires. Hence, the factors considered are the environmental thermal parameters, lighting, ventilation and humidity. This preliminary investigation reveals that the subjects feel cooler than the thermal acceptability range when the outdoor air temperature is lower than 14°C. Hence, the level of insulation provided by the SSF building is concluded to be insufficient for the occupant comfort during the cooler period of the spring season. Currently, the operative temperature and the outdoor air temperature are the physical parameters closely link to the subjects' perception and the magnitude of thermal retrofitting required for the glazed buildings.

**KEYWORDS:** Thermal perception. single skin façade. double skin façade. operative temperature. perceived comfort. adaptive thermal comfort.

## DRAWING TO EXPERIENCE: NOTES FOR A RESETTling OF OBJECTIVES AND FOR A REINVENTION OF THE VOCABULARY AROUND OBSERVATIONAL DRAWING IN THE TEACHING OF ARCHITECTURE AND URBAN DESIGN

## DESENHAR PARA EXPERIENCIAR: NOTAS PARA UMA RESSIGNIFICAÇÃO DE OBJETIVOS E PARA UMA REINVENÇÃO DO VOCABULÁRIO EM TORNO DO DESENHO DE OBSERVAÇÃO NO ENSINO DE ARQUITETURA E URBANISMO

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### ABSTRACT

The generating hypothesis of this research is that drawing from observation, a common practice in the study of arts, has specificities in the scope of architecture and urbanism. From this perspective, teaching young architects and urban planners to draw from observation has required a series of resignifications and an effort to rebrand. This article records reflections on the course of a drawing course offered to architecture and urban planning students at Universidade Federal da Paraíba (UFPB). There, we sought to radicalize observational design practices, in the sense of transferring the focus from the result to the experience, as stated by Larrosa (2002). Engaged in the review of talk about drawing from observation, the text is developed in episodes that narrate the attempts to reposition what is understood as "error" and "right", placing the experimentation of space and one's own body in the foreground.

**KEYWORDS:** observation drawing. experience. teaching architecture and urbanism. vocabulary.

### RESUMO

A hipótese geradora desta pesquisa é de que desenhar de observação, prática corriqueira no estudo de artes, possui especificidades no âmbito de arquitetura e urbanismo. Sob esse olhar, ensinar jovens arquitetos e urbanistas a desenhar de observação tem demandado uma série de ressignificações e um esforço de renomeação. O presente artigo registra reflexões do transcurso de uma disciplina de desenho ofertada a ingressantes em arquitetura e urbanismo da Universidade Federal da Paraíba (UFPB). Ali, buscou-se radicalizar as práticas de desenho de observação, no sentido de transferir o foco do resultado para a experiência, como posto por Larrosa (2002). Engajado na revisão do falar sobre desenhar de observação, o texto é desenvolvido em episódios que narram as tentativas de reposicionar o que se entende por "erro" e "acerto", colocando a experimentação do espaço e do próprio corpo em primeiro plano.

**PALAVRAS-CHAVE:** desenho de observação. experiência. ensino de arquitetura e urbanismo. vocabulário.

## ESPAÇO CULTURAL JOSÉ LINS DO REGO: ARCHITECTURAL ANALYSIS AS WRITING EXPERIENCE

## ESPAÇO CULTURAL JOSÉ LINS DO REGO: ANÁLISE ARQUITETÔNICA COMO ESCRITA DA EXPERIÊNCIA

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### ABSTRACT

Architectural analysis is an incipient practice compared to musical analysis, a consolidated discipline in the study of music (Oukawa, 2019). This article brings together notes from two ongoing research studies, at the Master's (Postgraduate) and Scientific Initiation (Undergraduate) levels, which seek to verify the hypothesis that the non-literal transposition of musical analysis techniques and procedures can support the systematization of actions for an analysis of architecture and urbanism. Through two simultaneous study paths of the same work – Espaço Cultural José Lins do Rego, designed by Sérgio Bernardes for the city of João Pessoa, in Paraíba –, the potential of writing is investigated, using fiction (Saer, 2022) and the form of the essay, to constitute and organize an experience of built space (Larrosa, 2002 and 2003), following the example of Malaco's formulations on Casario de Atenas (2015) and the Attempt at Exhausting a Place in Paris (Perec, 2016).

**KEYWORDS:** experience. architectural analysis. essay. fiction. Espaço Cultural José Lins do Rego.

### RESUMO

A análise arquitetônica é uma prática incipiente se comparada à análise musical, disciplina consolidada no estudo de música (Oukawa, 2019). O presente artigo reúne anotações de duas pesquisas em andamento, nos níveis de Mestrado (Pós-Graduação) e Iniciação Científica (Graduação), que buscam verificar a hipótese de que a transposição não literal de técnicas e procedimentos da análise musical pode subsidiar a sistematização de ações para uma análise de arquitetura e urbanismo. Por meio de dois percursos simultâneos de estudo de uma mesma obra – O Espaço Cultural José Lins do Rego, projetado por Sérgio Bernardes para a cidade de João Pessoa, na Paraíba –, investiga-se o potencial da escrita, valendo-se da ficção (Saer, 2022) e da forma do ensaio, para constituir e organizar uma experiência do espaço construído (Larrosa, 2002 e 2003), a exemplo das formulações de Malaco sobre o Casario de Atenas (2015) e do esgotamento de um lugar parisiense (Perec, 2016).

**PALAVRAS-CHAVE:** experiência. análise arquitetônica. ensaio. ficção. Espaço Cultural José Lins do Rego.

## BLUE IMMERSION RESEARCH BY DESIGN AND APPLIED RESEARCH IN THE FIELD OF ATMOSPHERES

### IMERSÃO AZUL INVESTIGAÇÃO PELA CONCEÇÃO E INVESTIGAÇÃO APLICADA NO DOMÍNIO DAS ATMOSFERAS

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#### ABSTRACT

The paper presents our design-research approach, centered on the notion of ambience, in order to develop a “practice of ambiances”, which we define as an “inclusive strategy of sensory design in the field of architecture”. Our experiential approach to architecture is based on a practice of situated experimentation that takes shape, following an iterative and recursive design process, through the production of models, prototypes, micro-architectures and pavilions. Our methodology of action research through experimentation on the scale of the body in motion brings to the fields of ambience an interdisciplinary and multi-sectoral framework within which architecture is elaborated by self-correlation of the dimensions of form, in a logic of ecosystemic convergence made possible by the incorporation and embodiment of the arguments and horizons of ambience by each of the actors involved. Over the years, our approach has evolved into applied research in the field of ambience.

**KEYWORDS:** Architecture. Ambience. Sensory design. Experimentation. Action research. Applied research.

#### RESUMO

Este artigo apresenta a nossa abordagem de investigação em design, centrada na noção de ambiente, com o objetivo de desenvolver uma “prática de ambientes”, que definimos como uma “estratégia inclusiva de design sensorial no domínio da arquitetura”. A nossa abordagem experimental à arquitetura baseia-se numa prática de experimentação situada que se concretiza, seguindo um processo de conceção iterativo e recursivo, através da produção de modelos, protótipos, micro-arquiteturas e pavilhões. A nossa metodologia de investigação-ação através da experimentação à escala do corpo em movimento fornece um enquadramento interdisciplinar e multissetorial para os campos da ambiência, no âmbito do qual a arquitetura se desenvolve através da auto-correlação das dimensões da forma, numa lógica de convergência ecossistémica possibilitada pela incorporação e corporização dos argumentos e horizontes da ambiência por cada um dos intervenientes. Ao longo dos anos, a nossa abordagem evoluiu para a investigação aplicada no domínio da ambiência.

**PALAVRAS-CHAVE:** Arquitetura. Ambiente. Design sensoriel. Experimentação. Investigação-ação. Investigação aplicada.

## THINKING AMBIANCES THROUGH EXPERIMENTAL, EXPERIMENTATIONS AND EXPERIENCE IN EXISTING SITUATIONS

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### ABSTRACT

The notion of "experimentation" has spread to many fields of research since its advent in the modern sciences. It has found a new resonance for the disciplines of architecture and art which, through their practice of materiality and making, lend themselves to the setting up of situations and protocols of evaluation and critique according to a complex work process. However, often limited in architecture to materials and their implementation, to technical devices and constructive processes leading to prototypes, what can we experiment with the atmosphere? Experiencing on ambience with architecture questions both the research methods on ambiances and the role of architecture in their advent. Is it efficient? How can we put to the test the non-material or non-tangible components that atmospheres and ambiances cover, the sensitive and bodily experiences, the luminous, sound and climatic phenomena, the pressures and flows, the movements and vibrations? Can we isolate these elements from their context of emergence? Since the 2000s we have conducted several experiments in the framework of research and pedagogy involving experience and use at the scale of the moving body in situations and according to specific societal and environmental issues. Some of these experimental practices allowed us to test working hypotheses and to evaluate through particular devices according to specific problems. We thus question how the question of ambiances allows us to conceive particular forms of experimentation and what they can bring on several aspects and implications. Many other practices have been developed and it is necessary to question now their epistemological, creative, societal or technical issues. In this perspective, we propose to situate the various practices claiming to be based on experience by questioning the values and processes of ambience that they are said to explore. By identifying three filiations that underlie these types of practice, our intention is to attempt to clarify the different processes and issues that are put in place. We will conclude with a discussion of the limits and difficulties, as well as the openings that they might project in the current context.

**KEYWORDS:** Architecture, Experiments, Experience, Experimental, Ambiances, Existing sites.



# L28

## WHEN CARE BECOMES AMBIENT

**CHAIRS**    **Laure Brayer**  
                  **Théa Manola**

For several years now, theoretical approaches on care have allowed this concept to become more complex (Tronto, 2009; Paperman, 2015; Hirata, 2021), including issues of inequality in social relationships. While these works do not include in their development issues relating to spatial and territorial inequalities, other works are beginning to shed light on the relationships between care and space and/or territories.

Michel Lussault (in Beau, Larrère, 2018) draws on the ethics of care by proposing the notion of spatial care, in order to think the vulnerability of contemporary habitats as a constructive force. By extending Joan Tronto's definition, Lussault defines spatial care as "a generic activity that includes everything we do to maintain, perpetuate and repair our habitat and the principles of our cohabitation, so that we can live as well as possible in our ecumene" (Lussault, 2018: 207).

This approach to inhabited spaces and their contemporary issues makes the metamorphoses at work as much an object of attention as a projectual aim.

Beyond the spatial and material transformations considered within spatial care, this session proposes to walk alongside the ethics of care by focusing on practices that raise a particular concern for sensitive and ambient qualities, which, to borrow an expression from Jean-Paul Thibaud (2015: 21), question less the "what of the surrounding world than the how of being-in- the-world".

The spatial care invites us to consider the inventive practices of non-institutional stakeholders, who are still too often unrecognized, and thus to rethink the frameworks for action on the ground. Spatial care calls us to pay attention to both sometimes fragile collectives (more or less informal groups trying to invent new ways of living), and to solutions locally constructed in the light of specific spatio-temporal situations. It also encourages us to look at the transformations of inhabited spaces beyond the completion of development projects: what are the practices of caring for spaces on a daily basis?

The focus on ambiance in this frame of thoughts invites us to question the practices, stories and gestures of attention and care towards ambiances, whether they are undergone, desired, designed,

experienced and shaped on a daily basis. And, beyond gestures, we can also look at the ways in which this ambient and sensitive preoccupation translates into reinvented spatial configurations and material arrangements.

Faced with the need to rethink the role of ambiances and the sensitive approaches in times of Anthropocene, and considering contemporary socio-ecological crises, this session aims to propose a reflection on ambiantal care within the Ambiances 2024 Congress. To this end, a non-exhaustive set of questions is raised:

How should we approach the intersections between care and ambiances? What are the attentional modalities and situated practices that need to be developed to care for fragile atmospheres, local weather conditions in crisis, and unstable or changing environments? How can we take responsibility, at our own level, in the context of socio-ecological crisis? How caring is translated in material work? What kind of contact with the objects of care does this imply? How can we ensure that the reception of care is recognized and, in this way, judge its appropriateness? Does caring for ambiances contribute to the raising of new kinds of public to consider in the frame of spatial transformation?

These questions can be addressed from both theoretical and empirical/operational perspective. Proposals may come from researchers working on these issues, or from professionals with a reflective view of their own practices.



## LIVES IN CARE: ARE AFFECTIVE CARTOGRAPHIES CAPABLE OF SUPPORTING EXISTENCES ON THE LIMITS?

## VIDAS EM CUIDADO: CARTOGRAFIAS AFETIVAS SÃO CAPAZES DE SUPORTAR EXISTÊNCIAS EM LMITE?

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### ABSTRACT

Based on the accompaniment of a person undergoing a prolonged process of dementia and dependent on others, we propose to reflect on the experiences and affective tones evoked in a caregiving environment. This case is part of an ongoing doctoral research in Sociology, which follows an ethnographic approach grounded in the contributions of pragmatic and phenomenological sociology. In the face of situations of existential exhaustion, in the most cognitive sense of the term, we are invited to turn our attention to modes of action forged by the necessities of care. The unpredictability brought by the illness opens the door to new environments, composed of a delicacy of gestures that serve as true anchors for existences on the edge. Through a detailed analysis of the spaces-times-objects of care, we can understand the notion of ambiance and how it evokes perceptual phenomena that relate subjects, the sensitive space, and its meaning.

**KEYWORDS:** Ambiances, Care, Objects, Corporalities, Affectivities.

### RESUMO

Partindo do acompanhamento feito a uma pessoa em processo de demência continuado e dependente de terceiros, propomo-nos pensar as vivências e tonalidades afetivas convocadas num ambiente de cuidados. Este caso integra-se numa investigação de doutoramento em Sociologia, ainda em curso e que seguiu uma abordagem etnográfica, ancorada nos contributos da sociologia pragmática e fenomenológica. Perante situações de esgotamento existencial, no sentido mais cognitivo do termo, somos convidados a voltar a atenção para modalidades de ação desenrascados à força das necessidades de cuidados. A imprevisibilidade trazida pela doença, abre as portas a novos ambientes, compostos por uma finura de gestos que se compõem como verdadeiras âncoras de existências em limite. A partir de uma análise detalhada sobre os espaços-tempos-objetos dos cuidados, podemos compreender a noção de ambiência e a forma como esta convoca fenómenos percetivos que põem em relação, os sujeitos, o espaço sensível e a sua significação.

**PALAVRAS-CHAVE:** Ambiências, Cuidados, Objetos, Corporalidades: Afetividades.

## HETEROTOPIA OF NURSING HOME: CONSTRUCTING CARE AND DISCIPLINE FOR CARE WORKERS AND ELDERLY CARE RECEIVERS IN THE CONTEXT OF HONG KONG

## HETEROTOPIA OF NURSING HOME: CONSTRUCTING CARE AND DISCIPLINE FOR CARE WORKERS AND ELDERLY CARE RECEIVERS IN THE CONTEXT OF HONG KONG

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### ABSTRACT

Nursing homes exist to respond to the demands of individuals who require assistance with Activities of Daily Living (ADL) and need to be cared for collectively within an institutional setting. While Foucault's discussion conceptualizes spaces of "otherness" that unveil the shadows of everyday life in institutions, he depicts the nursing home as a place that exists on the border between being a Heterotopia of Crisis, and a Heterotopia of Deviation. Based on the observation with care workers, this paper describes how this kind of Heterotopia is constructed within the nursing homes in ageing Hong Kong, and what conflicts arise among care workers and care providers regarding discipline and daily care routines under the local social context. The paper then explores insights for design researchers to perceive the environment, products, and services of nursing homes by constructing an understanding of the discipline and care paradigms from the perspective of the Heterotopia.

**KEYWORDS:** nursing home as a Heterotopia. care and discipline. design research. Heterotopia. Hong Kong. ethics of care. care work.

### RESUMO

Casas de repouso existem para responder às demandas de indivíduos que necessitam de assistência com Atividades da Vida Diária (AVDs) e precisam ser cuidados coletivamente em um ambiente institucional. Enquanto a discussão de Foucault conceitualiza espaços de «alteridade» que desvendam as sombras da vida cotidiana em instituições, ele retrata a casa de repouso como um lugar que existe na fronteira entre ser uma Heterotopia de Crise e uma Heterotopia de Desvio. Com base na observação com cuidadores, este trabalho descreve como esse tipo de Heterotopia é construída dentro das casas de repouso no envelhecido Hong Kong, e quais conflitos surgem entre cuidadores e provedores de cuidados quanto à disciplina e rotinas diárias de cuidados no contexto social local. O trabalho então explora insights para pesquisadores de design perceberem o ambiente, produtos e serviços de casas de repouso construindo uma compreensão dos paradigmas de disciplina e cuidado da perspectiva da Heterotopia.

**PALAVRAS-CHAVE:** casa de repouso como uma Heterotopia. cuidado e disciplina. pesquisa de design. Heterotopia. Hong Kong. ética do cuidado. trabalho de cuidado.

## CAPTURING AND REACTIVATING AMBIENCE AS A KEY ISSUE IN SENSIBLE URBAN PLANNING

### A CAPTAÇÃO E REATIVAÇÃO DO AMBIENTE COMO QUESTÃO FUNDAMENTAL DE UM PLANEAMENTO URBANO SENSATO

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#### ABSTRACT

As part of the 4th year of project teaching at the Ecole Nationale d'Architecture et d'Urbanisme in Tunis, our team strives to make students aware of the importance of sensitive, environment-oriented design. Our approach consists of adopting an analysis/project attitude based on field experiments. However, this project-oriented attitude - conscious and aiming to be useful - is somewhat contradictory to the very nature of the atmosphere - pure, a-conscious, sensitive vibration - that we are trying to capture. In addition, the reporting phase of the experiment represents a second challenge. How do you reproduce a feeling that is fleeting, labile and elusive? How do we capture this moment of resonance in concert with the atmosphere? A third challenge is that of the project phase, which aims to reactivate atmospheres that are still present on the ground but have faded over time. In this paper, we wish to report on this ten-year experience, while highlighting the heuristic significance of the limits encountered.

**KEYWORDS:** Sensible Urban Design. Sensory Design. Ambience Capture. Ambience Reactivation. Ambience Representation.

#### RESUMO

No âmbito do 4º ano de ensino de projeto na Escola Nacional de Arquitetura e Urbanismo de Tunes, a nossa equipa esforça-se por sensibilizar os alunos para a importância de uma conceção sensível e orientada para o ambiente. A nossa abordagem consiste em adotar uma atitude de análise/projeto baseada em experiências no terreno. No entanto, esta atitude projectual - consciente e com o objetivo de ser útil - é um pouco contraditória com a própria natureza da atmosfera - vibração pura, consciente e sensível - que estamos a tentar captar. Para além disso, a fase de relato da experiência representa um segundo desafio. Como reproduzir um sentimento que é fugaz, lábil e esquivo? Como é que captamos este momento de ressonância em consonância com a atmosfera? Um terceiro desafio é o da fase de projeto, que visa reativar atmosferas que ainda estão presentes no terreno mas que se desvaneceram com o tempo. Neste artigo, pretendemos dar conta desta experiência de dez anos, sublinhando o significado heurístico dos limites encontrados.

**PALAVRAS-CHAVE:** Conceção urbana sensata. Conceção sensorial. Captação de ambientes. Reativação da ambiência. Representação do ambiente.

## GEOBIOLOGY AS CARE FOR ENERGETIC QUALITIES OF LIVING ENVIRONMENTS AND PLACES

### A GEOBIOLOGIA COMO CUIDADO COM AS QUALIDADES ENERGÉTICAS DOS AMBIENTES E LUGARES DE VIDA

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#### ABSTRACT

Geobiology is linked to the culture of caring for the Earth and our living environments. More broadly, geobiology considers the earth as an arc between its daily practice (inhabiting) and its inclusion in the cosmos. It is defined as a healing practice in that it opens the way to understanding and nurturing the invisible energetic links between beings, places and elements. By giving shape and rhythm to the unsuspected interplay of forces that structure the world, geobiology enables us to reconsider our daily cohabitation with the elements, to change our habits, to improve our habitats by modifying, reactivating and repairing them if necessary. We will draw on the results of empirical work in which co-practice or initiation sessions were carried out with practitioners, to show how the art of geobiological care is taking place.

**KEYWORDS:** Geobiology. Relational Territory. Infrasensibilities. Cosmologies. Eco-habitat.

#### RESUMO

A geobiologia está ligada à cultura de cuidar da Terra e dos nossos ambientes de vida. De uma forma mais ampla, a geobiologia considera a Terra como um arco entre a sua prática quotidiana (habitar) e a sua inclusão no cosmos. É definida como uma prática de cura, na medida em que abre o caminho para a compreensão e o cultivo das ligações energéticas invisíveis entre seres, lugares e elementos. Ao dar forma e ritmo ao jogo insuspeito de forças que estruturam o mundo, a geobiologia permite-nos reconsiderar a nossa coabitação quotidiana com os elementos, mudar os nossos hábitos, melhorar os nossos habitats modificando-os, reactivando-os e reparando-os, se necessário. Basear-nos-emos nos resultados de um trabalho empírico em que foram realizadas sessões de co-prática ou de iniciação com praticantes, para mostrar como se realiza a arte dos cuidados geobiológicos.

**PALAVRAS-CHAVE:** Geobiologia. Território relacional. Infrasensibilidades. Cosmologias. Eco-habitat.

## SPATIAL AND TERRITORIAL INEQUALITIES IN FLORIANÓPOLIS/ BRAZIL AND THE HOMELESS POPULATION

### DESIGUALDADES ESPACIAIS E TERRITORIAIS EM FLORIANÓPOLIS/BRASIL E A POPULAÇÃO EM SITUAÇÃO DE RUA

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#### ABSTRACT

The text addresses the presence of the homeless population in Brazil and its relationship with the neo-liberal city. The article explores how urban policies have shifted from the fordist city to the neoliberal city, influencing the perception of the homeless population. Since the 1980s, municipal governments have adapted neoliberal thinking, managing the city as a company. This has brought "hostile architecture" and other forms of repression to urban spaces, culminating in adverse legislation. In Florianópolis, public authorities, along with private capital, act to construct the neoliberal city, marginalizing differences and excluding this population from urban spaces. The article questions the absence of an inclusive and hospitable city in the actions of public authorities, which follow a hegemonic vision of urban development that restricts the use of public spaces.

**KEYWORDS:** Urban ambiances. territorial inequality. right to the city. homeless population. Florianópolis.

#### RESUMO

O texto aborda a presença da população em situação de rua no Brasil e sua relação com a cidade neoliberal. O artigo explora como as políticas urbanas mudaram da cidade fordista para a cidade neoliberal, influenciando a percepção sobre a população em situação de rua. Desde os anos 1980, governos municipais adaptaram o pensamento neoliberal, gerindo a cidade como uma empresa. Isso trouxe para o espaço urbano a chamada «arquitetura hostil» e outras formas de repressão, culminando em legislações adversas. Em Florianópolis, o poder público, junto com o capital privado, atua para construir a cidade neoliberal, marginalizando as diferenças e excluindo essa população do espaço urbano. O artigo questiona a ausência de uma cidade inclusiva e hospitaleira nas ações do poder público, que seguem uma visão hegemônica de desenvolvimento urbano que restringe o uso do espaço público.

**PALAVRAS-CHAVE:** ambiências urbanas. desigualdade territorial. direito à cidade. população em situação de rua. Florianópolis.

## FACING THE COVID-19 CRISIS: SPATIAL CARE IN HOSPITABLE CITIES

## ENFRENTANDO A CRISE DA COVID-19: CUIDADOS ESPACIAIS EM CIDADES HOSPITALARES

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### ABSTRACT

The Covid-19 health crisis was unique in that we were all vulnerable. We could transmit the virus, be carriers of it. Our relationships were affected, particularly those that took place in public spaces. Taking care of others also meant avoiding even approaching them. On the other hand, the health crisis was also a period marked by inventiveness in finding new uses of public space. The question of hospitality, which involves welcoming people and preparing the environment to suit everyone, suddenly became urgent. In this article, I discuss the results of a study conducted in two city neighborhoods that are emblematic of the way in which uses and ambiances contribute to hospitality and care. These results contribute to thinking about the positive relationship between care and space in terms of variations in the qualities of ambiance in public spaces and in familiarizing the inhabitants with gestures and uses. They also invite us to place the ambient conditions of rest in the city at the heart of care.

**KEYWORDS:** Care. City. Hospitality. Ambiance. Public space. Crisis. Covid-19.

### RESUMO

A crise sanitária da Covid-19 foi única porque éramos todos vulneráveis. Poderíamos transmitir o vírus, ser portadores dele. Nossos relacionamentos foram afetados, principalmente aqueles que aconteciam em espaços públicos. Cuidar dos outros também significava evitá-los. No entanto, a crise sanitária foi também um momento de grande inventividade para novos usos do espaço público. A questão da hospitalidade, que é receber bem e preparar o ambiente para agradar a todos, foi levantada com urgência. Neste artigo desenvolvo os resultados de dois bairros e praças emblemáticos da forma como os usos e ambientes contribuíram para a hospitalidade e o cuidado. Abordo também as práticas de atenção e cuidado com os ambientes, vivenciadas e moldadas cotidianamente pelos habitantes. Esses resultados contribuem para pensar a relação positiva entre cuidado e espaço em termos de variação na qualidade das ambientações em espaços públicos e familiarização de gestos e usos.

**PALAVRAS chave:** Cuidado. Cidade. Hospitalidade. Ambientes. Espaço público. Crise. COVID-19.

## MICRO-SPACES OF CARE AND (DIS)COMFORT

## MICROESPAÇOS DE CUIDADO E (DES)CONFORTO

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### **ABSTRACT**

This paper investigates the methodologies used for understanding the systems of care and (dis)comfort in the micro-scale of the street environment. Using the lenses of the multi-senso-reality of walking, we develop a set of lens for a narrative of capturing perceptual responses through mapping, scoring and notation. Exchanges between ethnographic research and participatory practices seem to. create a hybrid process of experimentation that allows new understanding of the spectrum of care and (dis) comfort and a continuum of interchange in the multi-sensory experience. The study presented here is focusing on the understanding of different typologies of urban investigations in experiencing urban space, creating a narrative of sensing with the intention of providing meaning through a conscious, meditative experiential process that allows the embodied knowledge of the comfort spectrum to interact with the place in a systemic way.

**KEYWORDS:** inclusive. micro-spaces. urban investigations. Care. (dis)comfort. sensory walks. participatory processes.

### **RESUMO**

Este artigo investiga as metodologias utilizadas para a compreensão dos sistemas de cuidado e (des) conforto na microescala do ambiente de rua. Utilizando as lentes da realidade multissensorial da caminhada, desenvolvemos um conjunto de lentes para uma narrativa de captura de respostas perceptivas através de mapeamento, pontuação e notação. As trocas entre a pesquisa etnográfica e as práticas participativas parecem sim. criar um processo híbrido de experimentação que permita uma nova compreensão do espectro de cuidado e (des)conforto e um continuum de intercâmbio na experiência multissensorial. O estudo aqui apresentado centra-se na compreensão de diferentes tipologias de investigações urbanas na vivência do espaço urbano, criando uma narrativa de sensação com a intenção de fornecer significado através de um processo experiencial consciente e meditativo que permite ao conhecimento incorporado do espectro de conforto interagir com o local de forma sistêmica.

**PALAVRAS** chave: inclusivo. microespaços. investigações urbanas. Cuidado. (desconforto. passeios sensoriais. processos participativos.

## BUILDING AN INFRASTRUCTURE OF CARE. THE ROLE OF DESIGN IN RETHINKING COMMUNITY PRACTICES AND COLLECTIVE SPACES.

## CONSTRUIR UMA INFRAESTRUTURA DE CUIDADOS. O PAPEL DO DESIGN NO REPENSAR DAS PRÁTICAS COMUNITÁRIAS E DOS ESPAÇOS COLETIVOS.

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### ABSTRACT

This contribution is part of a broader debate on the role of urban and architectural design within the growing attention to processes of spatial regeneration, not only in urban contexts, focusing on practices of care and redefinition of space as an element of collective action outside neoliberal dictates. From the empirical observation of some ongoing processes, it is possible to deduce more general elements of reflection regarding the role of the designer and of space within commoning processes. How does the practice of design redefine itself in the context of actions that place at their centre a different doing from the productivist model within which the urban project has been placed in recent decades? What is the role of space as a medium of negotiation within a collective process that evolves with slow and uncertain times and modalities? These are some of the questions that drive our open reflection.

**KEYWORDS:** Third Places; practice of commoning; Collectif Etc; marginal areas; care.

### RESUMO

Esta contribuição insere-se num debate mais amplo sobre o papel do desenho urbano e arquitectónico no âmbito da crescente atenção aos processos de regeneração espacial, não apenas em contextos urbanos, centrando-se em práticas de cuidado e redefinição do espaço como elemento de acção colectiva fora dos ditames neoliberais. Da observação empírica de alguns processos em curso é possível deduzir elementos mais gerais de reflexão sobre o papel do designer e do espaço nos processos de commoning. Como se redefine a prática do design no contexto de ações que colocam no seu centro um fazer diferente do modelo produtivista em que o projeto urbano se tem inserido nas últimas décadas? Qual o papel do espaço como meio de negociação dentro de um processo coletivo que evolui em tempos e modalidades lentos e incertos? Estas são algumas das questões que norteiam a nossa reflexão aberta.

**PALAVRAS-CHAVE:** Third Places; prática da comunhão; Collectif Etc; áreas marginais; cuidado.



## THE AMBIGUITY OF CARE, EXPLORING MUSEUM AMBIENCES THROUGH THE LENS OF DISABILITY

### A AMBIGUIDADE DO CUIDADO, EXPLORANDO AMBIENTES DE MUSEUS SOB O PRISMA DA DEFICIÊNCIA

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#### **ABSTRACT**

Art museums' extreme care for the fragile objects they preserve and the public they receive create sophisticated ambiances. These ambiances thus lead to a process of distancing that excludes alternative relationships with artefacts, especially for people with functional diversity. In order to understand care as ambience and its limits, museums are examined from the perspective of people with impairments and disabilities, who develop a perceptual and conceptual acuity to their surroundings, inviting us to think beyond the caregiver/receiver binary. Care can thus be understood as practices that involve an ecological dynamic. In this perspective, ambience is a vehicle for care, connecting heterogeneous elements to create a coherent living environment through sensibility. This paper explores museum spaces through the practices of people with disabilities and proposes a new narrative based on a caring relationship with the environment.

**KEYWORDS:** ambiances. care. museum. disability. representation. narrative. milieu.

#### **RESUMO**

O extremo cuidado dos museus de arte com os objetos frágeis que preservam e o público que recebem criam ambientes sofisticados. Essas ambiências conduzem, assim, a um processo de distanciamento que exclui relações alternativas com artefactos, especialmente para pessoas com diversidade funcional. Para compreender o cuidado como ambiência e os seus limites, os museus são examinados a partir da perspectiva de pessoas com impedimentos e incapacidades, que desenvolvem uma acuidade perceptiva e concetual ao seu entorno, convidando-nos a pensar para além do binário cuidador/recetor. O cuidado pode, assim, ser entendido como práticas que envolvem uma dinâmica ecológica. Nessa perspectiva, a ambiência é um veículo para o cuidado, conectando elementos heterogêneos para criar um ambiente de vida coerente por meio da sensibilidade. Este artigo explora espaços museológicos por meio das práticas de pessoas com deficiência e propõe uma nova narrativa a partir de uma relação de cuidado com o meio ambiente.

**PALAVRAS-CHAVE:** ambiências. cuidado. museu. deficiência. representação. narrativa. meio.



# L30

## URBAN TEMPORALITIES BETWEEN HERITAGE AND PROJECTION

**CHAIRS** Noha Gamal Said  
Toumadher Ammar

The ambiance is traversed by various apprehensions of time. The long duration that inscribes it into history. The immediacy of the lived experience leads us to contemplate its incessant evolution through an infinitely actualized present, where concrete reality never repeats itself. Through ambiance, we inhabit time through internally lived experiences. The felt ambiance, as it subtly transforms over time and space, contributes to the actualization of our inner states—an adjustment that occurs more in succession than juxtaposition, aligning with the conception of ambiance as a perpetual process or being in becoming. Ambiance projects us into the past, into the future, and sometimes detaches us from our present.

Ambiance encompasses time as rhythm, embrace, nonchalance, slowness, eagerness, and more. We perceive time through ambiance. Our apprehension of time is also influenced by cultural, geographical, and climatic filters. Some research has explored the notion of ambiance through concepts that shape time, such as palimpsest and hybridity. The question of temporality prompts us to consider ruptures or continuities of ambiance over time and space.

That said, there remains ample room for debate regarding the quality of ambiances concerning the temporal aspects of urban spaces. We believe that city construction necessitates an understanding of time: its perceptible nature, objective measurement, and instrumentalization throughout the project's duration.

The theme of urban temporality encompasses time within operational concepts, analytical tools, and representations of urban projects. The intended objective is to comprehend the complexity of urban history, which includes spatial history (materials, devices, processes), the history of social practices (ordinary acts, exceptional occupations, forms of appropriation, well-being and/or ill-being situations), and the inseparable sensitive history intertwined with memory. Additionally, it

involves the production of historical narratives at three levels: habitation, neighborhood, and the city itself.

The aim is to uncover the interconnections and relationships between these dimensions and their uses, as well as their impact on city construction (urban planning and design). In this context, several questions arise: How does the built space of a city intersect with these temporal dimensions? How does a sensory history unfold through urban construction and permeate urban culture? What sensory design tools are currently suitable for capturing and producing time, and how can new ones be created? Which concepts related to the lexicon of ambiance are capable of incorporating and representing the temporal and historical challenges of architecture and urban planning? How do we perceive urban temporalities in the era of the Anthropocene, digitalization, and the post-pandemic era?

## THE ATMOSPHERE OF MOUNTAIN TERRITORIES: URBAN TEMPORALITIES IN THE VILLAGES OF THE ITALIAN APENNINE

### A ATMOSFERA DOS TERRITORIOS DE MONTANHA: TEMPORALIDADES URBANAS NAS ALDEIAS DOS APENINOS ITALIANOS

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#### ABSTRACT

This study examines the villages located in inner areas of Gran Sasso National Park, in Abruzzo, Italy, focusing on the dynamics of depopulation accelerated by the 2009, 2016 and 2017 earthquakes. However, these events did not cause the decline but intensified an already ongoing process. The analysis considers population growth and decline as natural phenomena, currently in their downward phase. Studying these places is essential to prepare for a future reversal of the trend and recover their identity. The approach taken combines qualitative and quantitative data, with descriptions and photographs by the author. The concept of 'urban atmosphere' is central and difficult to define, involving multi-sensory dynamics. Place attachment and place identity are explored through theories of topophilia and hauntology. The methodology uses quantitative indicators and phenomenological exploration on foot, documenting bodily interaction with the environment. Photographs and narratives complement the analysis, highlighting the urban atmospheres and levels of temporality stratified in the villages.

**KEYWORDS:** atmospheres. temporalities. inner areas. hauntology. photography.

#### RESUMO

Este estudo examina as aldeias localizadas nas zonas interiores do Parque Nacional Gran Sasso, em Abruzzo, Itália, centrando-se na dinâmica de despovoamento acelerada pelos terremotos de 2009, 2016 e 2017. No entanto, estes eventos não causaram o declínio, mas intensificaram um processo já em curso. A análise considera o crescimento e o declínio populacional como fenômenos naturais, atualmente em fase descendente. O estudo destes lugares é essencial para preparar uma futura inversão da tendência e recuperar a sua identidade. A abordagem adoptada combina dados qualitativos e quantitativos, com descrições e fotografias do autor. O conceito de «atmosfera urbana» é central e difícil de definir, envolvendo dinâmicas multi-sensoriais. A ligação ao lugar e a identidade do lugar são exploradas através das teorias da topofilia e da assombração. A metodologia utiliza indicadores quantitativos e a exploração fenomenológica a pé, documentando a interação corporal com o ambiente. Fotografias e narrativas complementam a análise, evidenciando as atmosferas urbanas e os níveis de temporalidade estratificados nas aldeias.

**PALAVRAS-CHAVE:** atmosferas. temporalidades. zonas interiores. hauntologia. fotografia.

## MULTITEMPORALITIES OF URBAN HERITAGE: HANFU FESTIVALS, SOCIAL MEMORIES, AND ATMOSPHERIC ENCOUNTERS

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### ABSTRACT

This article examines urban atmosphere by focusing on the sensory and temporal dimensions of urban heritage festivals. It presents an empirical study of Hanfu festivals within heritage sites in Chengdu, China, drawing on in-depth interviews (27) and participatory observations. Hanfu refers to traditional clothing worn by the Han Chinese. We delineate four distinctive vignettes of atmosphere accounts, namely liveness, solidarity among communities, sense of place, and cultural nationalism. Various temporal aspects, including present-day experiences, personal and collective memories, and imaginaries of the future, shape the sensory and cognitive experiences of festival atmospheres in heritage spaces. The article underscores the role of social memories in mediating affective responses, thereby enabling diverse individual interpretations of festival atmospheres within heritage settings. It also demonstrates how festivals can be a potent sensory design tool that influences the way people understand and live in the city.

**KEYWORDS:** Urban heritage. Festivals. Atmosphere. Memories. Hanfu. China.

### RESUMO

Este artigo examina a atmosfera urbana focando nas dimensões sensoriais e temporais dos festivais de patrimônio urbano. Apresenta um estudo empírico dos festivais Hanfu em locais de patrimônio em Chengdu, China, baseado em entrevistas em profundidade (27) e observações participativas. Hanfu refere-se às roupas tradicionais usadas pelos Han chineses. O artigo delinea quatro relatos distintos de atmosferas, nomeadamente vivacidade, solidariedade entre comunidades, senso de lugar e nacionalismo cultural. Vários aspectos temporais, incluindo experiências contemporâneas, memórias pessoais e coletivas, e imaginários do futuro, moldam as experiências sensoriais e cognitivas das atmosferas dos festivais em espaços de patrimônio. O artigo destaca o papel das memórias sociais na mediação das respostas afetivas, possibilitando interpretações individuais diversas das atmosferas dos festivais em cenários de patrimônio. Demonstra também como os festivais podem ser uma poderosa ferramenta de design sensorial que influencia a forma como as pessoas entendem e vivenciam a cidade.

**PALAVRAS-CHAVE:** patrimônio urbano. Festivais. Atmosfera. Memórias. Hanfu. China.

## PAST AND PRESENT SENSORIAL LIVING EXPERIENCE WITHIN THE ROMAN BASINS URBAN SQUARE IN GAFSA OLD CITY (SOUTH OF TUNISIA)

## EXPERIÊNCIA SENSORIAL DE VIDA NO PASSADO E NO PRESENTE NA PRAÇA URBANA DAS BACIAS ROMANAS NA CIDADE ANTIGA DE GAFSA (SUL DA TUNÍSIA)

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### ABSTRACT

This study focuses on the old city of Gafsa (Tunisia) through the concept of “ambience”, and considers its past and present urban temporalities. At the city’s historic center lies a hydraulic structure dating back to the Roman period. This water system known as the “Roman basins” remains vital, attracting both local inhabitants and visitors. This research investigates the physical characteristics and social practices of this place, assessing the water system’s impact on users’ experiences. A comparative analysis of past and present ambiances identifies what is considered ‘permanent’ both on site and in the inhabitants’ perceptions. Such identification will contribute to better preserving this oasis medina and considering ambiances as a heritage. The outcomes confirm that water continues to play an important role, increasing the level of social interaction and creating an ‘urban empathy’ specific to the place, while reminding its rich past.

**KEYWORDS:** Oasian historic center. water system. Physical characteristics. Sensorial experience. Heritage Ambiances.

### RESUMO

Este estudo explora a cidade antiga de Gafsa (Tunísia) através do conceito de «ambiente», concentrando-se nas temporalidades urbanas passadas e presentes. No centro histórico da cidade encontra-se uma estrutura hidráulica que data do período romano. Este sistema de água, conhecido como os «tanques romanos», continua vital, atraindo tanto os locais quanto os visitantes. Esta pesquisa investiga as características físicas e as práticas sociais deste local, avaliando o impacto do sistema de água nas experiências dos usuários. Uma análise comparativa dos ambientes passados e presentes identifica o que é considerado «permanente», tanto no próprio local quanto nas percepções dos habitantes. Tal identificação contribuirá para uma melhor preservação desta medina oásis e para considerar os ambientes como uma forma de patrimônio. Os resultados confirmam que a água continua a desempenhar um papel importante, aumentando o nível de interação social e criando uma forma de «empatia urbana» específica ao local, enquanto evoca seu rico passado.

**PALAVRAS-CHAVE:** Centro histórico oasiano. Sistema de água. Características físicas. Experiência sensorial. Ambientes patrimoniais.

## CONTINUITIES AND DISCONTINUITIES WITH THE EXISTING CITY IN PUBLIC SPACES OF THREE MODERN HOUSING COMPLEXES OF SANTIAGO DE CHILE

## CONTINUIDADES E DESCONTINUIDADES COM A CIDADE EXISTENTE NOS ESPAÇOS PÚBLICOS DE TRÊS COMPLEXOS HABITACIONAIS MODERNOS DE SANTIAGO DO CHILE

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### **ABSTRACT**

In Santiago de Chile, as in other parts of the world, the mass housing complexes of the modern movement encompassed large patches of land inside the city. In these, a different logic to the traditional compact block of the Latin American city was configured, with important interior spaces, circulations and commercial plates that were dissociated from the street and vehicular traffic. The research seeks to reveal the preferences of users for these public spaces considering the lessons that could be deduced from this way of densifying the city. With this purpose, the public spaces of three modernist housing complexes are disassembled, the uses are registered, and the ambiances identified to relate the spatial characteristics with the preferences of the users. Through this analysis, the aim is to understand the values that underlie in the preservation of continuities; and also, the breaks imposed by renewal policies adopted in the consolidated city of Santiago de Chile.

**KEYWORDS:** Permanencies. Modern housing complexes. Palimpsest. Ambiance.

### **RESUMO**

Em Santiago do Chile, como em outras partes do mundo, os complexos habitacionais do movimento moderno abrangiam grandes extensões de terra dentro da cidade. Nestes, configurou-se uma lógica diferente do tradicional quarteirão compacto da cidade latino-americana, com importantes espaços interiores, circulações e placas comerciais dissociadas da rua e do tráfego de veículos. A investigação procura revelar as preferências dos utilizadores por estes espaços públicos considerando as lições que poderiam ser deduzidas desta forma de densificar a cidade. Para isso, são recortados os espaços públicos de três bairros sociais modernistas, registados os usos e identificadas as ambiências para relacionar as características espaciais com as preferências dos utilizadores. Através desta análise pretende-se compreender os valores que estão subjacentes à preservação das continuidades; e ainda, as ruturas impostas pelas políticas de renovação adotadas na consolidada cidade de Santiago do Chile.

**PALAVRAS-CHAVE:** Permanências. complexos habitacionais modernos. Palimpsesto. Ambiências.



# L32

## AMBIANCE ET PROPAGATIONS

**CHAIR**     **Pascal Amphoux**

Hypothesis 1: An ambiance spreads, it is contagious, it operates through proximities. It is viral, sometimes even virulent, always and infinitely variable. Effects of amplification, fading, or collapse... It self-organizes or self-destructs. It escapes the sole will of those who create it, yet is not structurally determined by its initial conditions.

Hypothesis 2: The concept of propagation allows for the fundamental reintroduction of time into the analysis or production of ambiances. The question of time is often treated as an "ambiance factor" (a duration, a moment, an event that contributes to perpetuating, disrupting, or interrupting its course), but it is rarely addressed head-on, as such and as constitutive of the phenomenon of ambiance itself. Exploring the countless links between propagation phenomena and ambiance situations will be the focus of this session.

The perspective can be theoretical or methodological. What role can the notion of propagation play in the conceptual definition of the ambiance concept? A catalyst, a capacitor, a resonator? Is it an attribute, a modality, an effect? Could it open a third way between the technical approach to ambiances (disciplinary and disciplined) and human approaches to Ambiance (transdisciplinary and undisciplined)? ...

It can be pragmatic or analytical. What propagates in the lived, or better yet, alive reality of an ambiance situation? A rumor, a gesture, a ritual? How are propagation phenomena experienced? What is the relationship between the propagation speed and the living or deadly nature of an ordinary or extraordinary, domestic or public, spatial or media situation? ...

It can still be that of perception or creation. How does the propagation of images, sounds, smells, or information operate in sensory perception? How does it give consistency to an ambiance? How does it resonate with it? Or how does it ensure its persistence through its infinite variations - of inertia, speed, or acceleration?

From the reactualization of the notion of time giver from chronobiology (Zeitgeber or synchronizers) to the new sociology of propagations (proposed by Dominique Boullier), from cross-cutting

approaches of rhythmology (Graff and Gwiazdzinski) to algorithms tracing biological, social, or attentional virality, the field of disciplines invoked and the choice of communications will strive to cover this passage between technical sciences, physical sciences, and social sciences.

From the physical and sensory analysis of sound phenomena to the stance of architectural, urban, or territorial projects, from the anthropological narrative recounting the processes of installing a festive ambiance, a political demonstration, or a community gathering to the study of chains of contagion in critical situations of pandemic, rumor, or conflict, the field of concerned Ambiances research is widely open to the... propagation of the concept! It could be framed under the sign of a distinction between three temporal logics: cadence, rhythm, and pulsation.

## AFFECTS AND RITUALS THROUGH THE ZAD. THE PHENOMENON OF PROPAGATION IN PROTEST ATMOSPHERES

## AFECTOS E RITUAIS ATRAVÉS DO ZAD. O FENÓMENO DA PROPAGAÇÃO EM ATMOSFERAS DE PROTESTO

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### ABSTRACT

The contagious dimension of atmospheres is particularly evident in protest landscapes. While spatial aspects have been recently explored, the affective perspective, focusing on contagion and diffusion, remains under-researched.

Some authors have discussed phenomena like the “transmission of affects” in crowd dynamics, others; the spread of everyday practices and rituals in protest camps as “infrastructures”. Based on the dual aesthetic-sociological perspective, we aim to frame the phenomenon of propagation of atmospheres through the territory of the ZAD of Notre-dame-des-Landes. We will discuss on the one hand the unfolding of rituals within the “daily flow of doing” within a resisting community, and, on the other, the phenomenon of resonance in the large-scale manifestations connected to it.

New perspectives will be opened on the topic of the reproducibility of atmospheres.

**KEYWORDS:** propagation. protest atmospheres. resonance. affects. rituals. ZAD.

### RESUMO

A dimensão contagiosa das atmosferas é particularmente evidente nas paisagens de protesto.

Embora os aspectos espaciais tenham sido recentemente explorados, a perspectiva afectiva, centrada no contágio e na difusão, continua a ser pouco estudada.

Alguns autores discutiram fenómenos como a “transmissão de afectos” na dinâmica das multidões, outros, a difusão de práticas e rituais quotidianos em campos de protesto como “infra-estruturas”. Com base na dupla perspectiva estético-sociológica, pretendemos enquadrar o fenómeno da propagação de atmosferas através do território da ZAD de Notre-dame-des-Landes. Discutiremos, por um lado, o desenrolar de rituais no “fluxo quotidiano do fazer” de uma comunidade resistente e, por outro, o fenómeno da ressonância nas manifestações de grande escala que lhe estão associadas. Abrir-se-ão novas perspectivas sobre o tema da reprodutibilidade das atmosferas. Abrir-se-ão novas perspectivas sobre o tema da reprodutibilidade das atmosferas.

**PALAVRAS-CHAVE:** propagação. atmosferas de protesto. ressonância. afectos. rituais. ZAD.

## PROPAGATION AND NEW ATMOSPHERES WITH THE WATERS DIASPORA

## PROPAGAÇÃO E NOVAS ATMOSFERAS COM A DIÁSPORA DA ÁGUAS

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### **ABSTRACT**

This study is an exploratory investigation of Caxambu Santa Isabel in the city of Petrópolis, aimed at understanding this territory through its material characteristics. These characteristics serve as a foundation for the atmospheres created by the interactions between the different communities and their daily lives. The atmospheres play a crucial role in generating territorial data from residents' perceptions, ephemeral uses, and appropriations of public spaces. This study promotes local knowledge in collaboration with the inhabitants and their memories, allowing for a sensitive understanding of the past and present of this community.

**KEYWORDS:** Atmospheres. Water. Rural. Disaster. Ambiances.

### **RESUMO**

Este estudo é uma investigação exploratória do Caxambu Santa Isabel, na cidade de Petrópolis, com o objetivo de compreender esse território através de suas características materiais. Essas características atuam como suporte para as atmosferas criadas pelas interações entre as diversas comunidades presentes e seus cotidianos. As atmosferas desempenham um papel crucial na geração de dados territoriais a partir das percepções dos moradores, usos efêmeros e apropriações dos espaços públicos. Este estudo promove o conhecimento local em conjunto com os habitantes e suas memórias, permitindo uma compreensão sensível do passado e do presente dessa comunidade.

**PALAVRAS-CHAVE:** Atmosferas. Água. Rural. Desastre. Ambiências.

## PROPAGATION OF ATMOSPHERES FROM THE ANCIENT TO THE PRESENT - BRINGING ARCHEOLOGICAL OBJECTS TO LIFE IN HIGH SECURITY GLASS DISPLAYS

## PROPAGAÇÃO DAS ATMOSFERAS DO ANTIGO AO PRESENTE - DANDO VIDA A OBJETOS ARQUEOLÓGICOS EM EXIBIÇÕES DE VIDRO DE ALTA SEGURANÇA

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### ABSTRACT

This paper examines how artefacts in museum exhibitions can become more dynamic by utilizing innovative display technologies and augmented mediation, moving beyond traditional glass displays. We propose methods for organizing and staging artefacts with temporal considerations, suggesting that their atmospheric influence spreads through the exhibition space like slow ripples in water, in contrast to Böhme's concept of instantaneous radiation. By theorizing and incorporating temporal structuring into artefact staging, we offer practical strategies for curators and designers to blend the sensory, emotional, and factual aspects of artefacts into the exhibition atmosphere. This approach involves a timeline-based layout of media content, emphasizing how the key atmospheric phenomenon of attunement unfolds over time, enhancing the artefacts' atmospheric, factual, and relational impact within museum spaces.

**KEYWORDS:** Atmosphere. Museum. Agency. Propagation. Attunement. Design. Sound. Light. Affect. Temporality. Augmentation. Artefacts.

### RESUMO

Este artigo examina como artefactos em exposições de museus podem se tornar mais dinâmicos ao utilizar tecnologias inovadoras de exibição e mediação aumentada, indo além das tradicionais vitrines de vidro. Propomos métodos para organizar e encenar artefactos com considerações temporais, sugerindo que sua influência atmosférica se espalha pelo espaço expositivo como lentas ondulações na água, em contraste com o conceito de radiação instantânea de Böhme. Ao teorizar e incorporar a estruturação temporal na encenação de artefactos, oferecemos estratégias práticas para curadores e designers misturarem os aspetos sensoriais, emocionais e factuais dos artefactos na atmosfera da exposição. Esta abordagem envolve um layout de conteúdo de média baseado em uma linha do tempo, enfatizando como o principal fenômeno atmosférico de sintonização se desenrola ao longo do tempo, aprimorando o impacto atmosférico, factual e relacional dos artefactos dentro dos espaços dos museus.

**PALAVRAS-CHAVE:** Atmosfera. Museu. Agência. Propagação. Sintonização. Design. Som. Luz. Afeto. Temporalidade. Aumento. Artefactos.



# L42

## METABOLIC ATMOSPHERES

**CHAIR** Hsuan L. Hsu

This panel will explore interactions between atmospheric aesthetics and metabolism. How do human and nonhuman bodies—and their interrelations—register the metabolic influences of atmospheric properties like smell, temperature, and humidity? How do bodily and technological emanations contribute to these atmospheric properties? How have artists, writers, activists, and other researchers been addressing these metabolic influences in ways that challenge and move beyond racist and colonial notions of climatic determinism (e.g., the idea that climate’s metabolic effects account for biological and “temperamental” differences between races)?

Bringing recent conversations about atmospheric aesthetics (e.g., Derek McCormack, Peter Adey, Peter Sloterdijk) into conversation with work in New Materialism (e.g., Stacy Alaimo, Karen Barad, Mel Chen) and sensory studies (e.g., Desiree Foerster, David Howes, Hi’ilei Hobart), papers should explore the nuances of “air conditioning” (Sloterdijk) in urban spaces and/or in other spaces and scales affected by urban processes. Possible topics include immersive & multimodal art installations; literary engagements with atmospheric influence; environmental media; smellscape; architectural ambience; atmospheres of securitization, militarization, and policing; queer atmospheres; the multiplicity of fragmented, urban atmospheres; and subaltern projects of atmospheric world-making.

## THEORIZING THE THERMOCLINE

## TEORIZANDO A TERMOCLINA

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**ABSTRACT:**

Theorizing the Thermocline Building on recent work in “critical temperature studies” (Starosielski), this paper theorizes the “thermocline” as a spatialized difference in thermal experience that is at once ambient, historically conditioned, and socially and corporeally inflected. This includes ambient temperatures, but also bodily predispositions, access to air conditioning and medical interventions, socio-economic circumstances, and access to thermal knowledges and mutual aid. Understanding the thermocline requires historical perspective on the ongoing “thermal violences” enacted by colonial and racial capitalism, as well as attention to the lived sensory experience of thermally differentiated subjects. After offering theoretical and historical discussions of the thermocline, I will turn to a range of aesthetic works—such as Spike Lee’s *Do the Right Thing* and Fradique’s film *Ar Condicionado*--that appeal in different ways to the sense of thermoception in the course of exploring the simultaneously racial and thermal violences shaped by urban infrastructures.

**KEYWORDS:** heat, temperature, infrastructure, racialization, environmental justice.

**RESUMO:**

Teorizando a Termoclina Com base em trabalhos recentes em “estudos de temperatura crítica” (Starosielski), este artigo teoriza a “termoclina” como uma diferença espacializada na experiência térmica que é ao mesmo tempo ambiental, historicamente condicionada e inflexível social e corporalmente. Isto inclui temperaturas ambientes, mas também predisposições corporais, acesso a ar condicionado e intervenções médicas, circunstâncias socioeconômicas e acesso a conhecimentos térmicos e ajuda mútua. Compreender a termoclina requer uma perspectiva histórica sobre as “violências térmicas” em curso perpetradas pelo capitalismo colonial e racial, bem como atenção à experiência sensorial vivida por sujeitos termicamente diferenciados. Depois de oferecer discussões teóricas e históricas sobre a termoclina, passarei a uma série de trabalhos estéticos - como *Do the Right Thing*, de Spike Lee, e o filme *Ar Condicionado*, de Fradique - que apelam de diferentes maneiras à sensação de termocepção no decorrer da exploração. as violências simultaneamente raciais e térmicas moldadas pelas infraestruturas urbanas.

**PALAVRAS-CHAVE:** calor, temperatura, infraestrutura, racialização, justiça ambiental.



## THE METABOLIC AESTHETICS OF BREATHING

### A ESTÉTICA METABÓLICA DA RESPIRAÇÃO

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#### ABSTRACT

Shared air is central to contemporary crises, highlighting the immediacy of breathing during an airborne pandemic and the extensive anthropogenic transformations of air. The Sensibilia research seeks to investigate the tenuous sensory perceptions of environmental changes. A part of this research focuses on the worlds of air and the atmospheres of life. It is interested in the ordinary transformations of sensibilities to air, by air and for air.

It involves collecting about 150 micro-stories related to air and breathing, highlighting different modalities of metabolic interaction with the world, such as inflection, anticipation, synchronization, or resistance. These interactions are interpreted in terms of potential danger and air modifications as markers of space and time. Additionally, the research connects recent discussions on atmospheric aesthetics and sensory studies, examining the subtleties of breathing in ecologically altered environments, as cultures are seen as collective situations of immersion in air and a system of signs.

**KEYWORDS:** Air. Breathing. metabolic aesthetics.

#### RESUMO

O ar compartilhado é central para as crises contemporâneas, destacando o imediatismo da respiração durante uma pandemia aerotransportada e as extensas transformações antrópicas do ar. A pesquisa Sensibilia busca investigar as tênues percepções sensoriais das mudanças ambientais. Uma parte desta pesquisa enfoca os mundos do ar e as atmosferas da vida. Interessa-se pelas transformações ordinárias das sensibilidades ao ar, pelo ar e pelo ar. Envolve a coleta de cerca de 150 micro-histórias relacionadas ao ar e à respiração, destacando diferentes modalidades de interação metabólica com o mundo, como inflexão, antecipação, sincronização ou resistência. Essas interações são interpretadas em termos de perigo potencial e modificações do ar como marcadores de espaço e tempo. Além disso, a pesquisa conecta discussões recentes sobre estética atmosférica e estudos sensoriais, examinando as sutilezas da respiração em ambientes ecologicamente alterados, pois as culturas são vistas como situações coletivas de imersão no ar e um sistema de signos. Palavras-chave: Ar. Respiração. estética metabólica

## TRANSLATING THE ATMOSPHERE: RESEARCH-CREATION AS A COLLECTIVE EXERCISE IN DESCRIBING ATMOSPHERE AS A MATTER OF CONCERN

## TRADUZIR A ATMOSFERA: A INVESTIGAÇÃO-CRIAÇÃO COMO UM EXERCÍCIO COLECTIVO DE DESCRIÇÃO DA ATMOSFERA COMO UMA QUESTÃO DE PREOCUPAÇÃO

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### ABSTRACT

How can we become aware of the atmospheric world in which we live and breathe and to which we daily contribute? How do we find the words to describe our relationship with this diffuse yet vital world in our lives? This paper will describe a research-creation in which 'atmospheric prints' became the means to assemble different publics around the plural question of atmosphere. The aesthetic experience provoked by the materialization of atmospheric metabolisms as imprinted image opens a space of translation in which a diffuse and 'immaterial' background becomes 'material': material that renders the atmosphere as a 'matter of concern' (Hache, 2021) as the scale of everyday experience. The project, and the research-film within it, open a collective exercise in describing a basin of air by the collection of observations and stories from different locations and situations, and feed the proposition to develop metabolic approaches for thinking and building the city.

**KEYWORDS:** Atmospheric print. Research-creation. Ordinary experiences. Basin of air. Stratification.

### RESUMO

Como podemos tomar consciência do mundo atmosférico em que vivemos e respiramos e para o qual contribuimos diariamente? Como é que encontramos as palavras para descrever a nossa relação com este mundo difuso, mas vital nas nossas vidas? Esta comunicação descreverá uma investigação-criação em que as «impressões atmosféricas» se tornaram o meio de reunir diferentes públicos em torno da questão plural da atmosfera. A experiência estética provocada pela materialização dos metabolismos atmosféricos como imagem impressa abre um espaço de tradução no qual um fundo difuso e «imaterial» se torna «material»: material que torna a atmosfera um «assunto de preocupação» (Hache, 2021) à escala da experiência quotidiana. O projeto, e o filme de investigação que o integra, abrem um exercício coletivo de descrição de uma bacia de ar através da recolha de observações e histórias de diferentes locais e situações, e alimentam a proposta de desenvolvimento de abordagens metabólicas para pensar e construir a cidade.

**PALAVRAS-CHAVE:** Impressão atmosférica. Investigação-criação. Experiências comuns. Bacia de ar. Estratificação.

## “HOW THE OTHER HALF” OVERHEATED: THE ATMOSPHERIC ENVIRONMENT OF URBAN SUMMERS

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### ABSTRACT

This paper investigates the atmospheric environment of summertime in turn-of-the-twentieth-century New York City. It highlights the aesthetics of weather to interrogate the sensorial environment and thermal inequalities of the pre-climate-controlled city through the work of artists who captured bodily experiences of summer weather. New York exposed residents to thermal inequalities due to quotidian seasonal highs, extreme heat events in heat waves, and the way the cityscape held heat, what we today know as the urban heat island effect. The New York Times deemed those who could afford to seek respite in cooler climes “heat refugees,” while Harper’s pointed out that for the working-class and poor who spent “the whole summer long...shut up in the great city, the dog-days came like a scourge.” Before the widespread adoption of ventilation and cooling technologies in the mid-twentieth century, New York’s working class and poor lived far more attuned and exposed to their city’s climate. As significant as New York’s urban heat island has been to the city’s social and cultural history, its impacts have eluded historians. Temperature, a weather phenomenon that is primarily felt, is often difficult to trace in archives. Heat is largely invisible and incorporeal. But bodies register temperature sensations. In summer, the materiality of the atmosphere is perceived as a thermal environment. Sweat and individual behaviors make heat visible. I argue the interaction of summer weather with the city’s pavement, brick, and stone created a “heatscape” in New York. Geographer J. Douglas Porteous argues that visual perception of landscapes requires objectivity and distance. Yet sensory experiences environ and permeate. The heatscapes evoke the tactile and kinaesthetic qualities of an environment, qualities perceptible by bodily senses. The experience of heat is a dynamic circulation between bodily thermoregulation and environmental thermodynamics. Summer’s heatscape is at once cultural, spatial, and atmospheric. This paper focuses on early 1900s realist artists known as the Ashcan School. Rejecting American Impressionism, their art famously captured New York’s working-class and poor at labor, in the street, and in tenement apartments. In so doing, Ashcan artists also captured the atmospheric environment of the heatscape through hemmed-in street scenes and the physicality of overhead bodies. The heatscape also made the coolness of breezes on tenement rooftops a precious environmental commodity. Tenement districts, overcrowded and devoid of trees and parks, created unique temporal and spatial microclimates—they created thermal inequalities. The heatscape’s atmospheric environment illuminates a “sensorial urbanism” in which bodily perceptions are inseparable from the environment. Nineteenth-century urbanites understood their cities as metabolic systems. The city-as-body translated corporeal circulation into spatial terms, linking bodily health to urban form: to ventilation, water systems, and parks. And this relationship was inherently climatic in nature. “How the other half” overheated reveals the physicality inherent to the city’s climatological environment, in this case summer heat. This paper investigates the atmospheric aesthetics of summer to reveal a collective sensory experience, and collective visual order, of heat in turn-of-the-century New York.

**KEYWORDS:** thermal inequalities, atmospheric environments, summer heat, urban heat island Effect.



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