



ZÉLIA SIMÕES

BIOGRAPHY

Zélia is a MSc practicing Architect, Researcher and PhD Student of architecture, specialising in design theory and practice, at the Lisbon School of Architecture – ULisboa. She has acquired professional experience in architectural projects, as well as, landscaping, interior design, furniture design and editorial design. Author of several publications, she has been collaborating as member of scientific and editorial committees of books and journals, organizing and participating in national and international academic, scientific and cultural activities, in addition to teaching on Undergraduate, Postgraduate, Master’s and PhD Courses in Design, Architecture and Urbanism on the field of light, colour, multisensoriality and humanisation of space. Currently, she is a collaborating researcher at CIAUD – Research Centre for Architecture, Urbanism and Design, Lisbon School of Architecture – ULisboa, where she integrates the Light and Colour Research Group (founding member), the Design and Computation Group, and the Colour Laboratory. Zélia is a founding member of the Portuguese Colour Association, where she served as Secretary of the Board of Directors between 2009 and 2013. She has been a member of the AIC Study Group on Environmental Color Design (ECD) since 2009 and of the AIC Study Group on Arts and Design since 2018 and was Vice-President of the Scientific Committee of the AIC2018 Midterm Meeting, Colour and Human Comfort.

FIELD OF RESEARCH

She is interested in light and colour as phenomenological aspects of the spatial perception and experience. Her research initiated with the Master’s Dissertation “Colour and nature as metaphors in the poetics of materiality” and it’s continuing under the same theme through her ongoing PhD Thesis “The expression and interaction of light and colour in the industrial space”, bringing the issues of Urban and Architectural Space; Senses and (i)Materiality; Health and Wellbeing; Humanisation; Transdisciplinarity, Interdisciplinarity and Multisensoriality. Through the participation in several public and private projects in different areas, namely, territorial and urban planning, industry, tourism, leisure, commerce, services, culture, education, health, and residential allowed her to become aware of the context and needs of different users in the urban and architectural space, and reinforced an important motto in her work “simple but different”.

CONTACTS

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PROJECTS

2020-2025 **The Expression and Interaction of Light and Colour in the Industrial Space.**

Research Line

Architecture, Interior Design.

Team

Zélia Simões (coord.); Rui Barreiros Duarte (FA.U LISBOA]; João de Oliveira César (FAUUSP); Victor Ferreira (FA.U LISBOA); Luís Mateus (FA.U LISBOA); Filipa Santos (GI.CorLuz).

Abstract

Throughout history science, technology and education have played an essential role in the development of tools and methodologies in the field of colour, light, and space. Essential to the overall perception of the environment and its relationships, colour and light contribute to the creation of physical, psychological and social effects in the human being, an equilibrium between the technical and the aesthetic components is fundamental to achieve space humanization. Industrial buildings don't only occupy the place they are rooted at, but they end up characterizing it. In fact, industrial buildings have a set of technological, architectural, sociological, and cultural values, which make them a living testimony of an era.

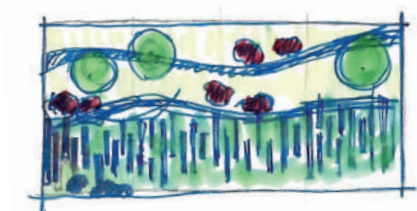
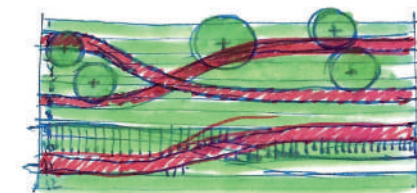
Methodology

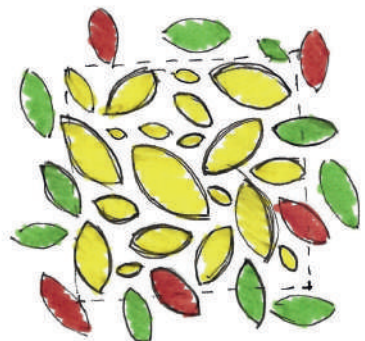
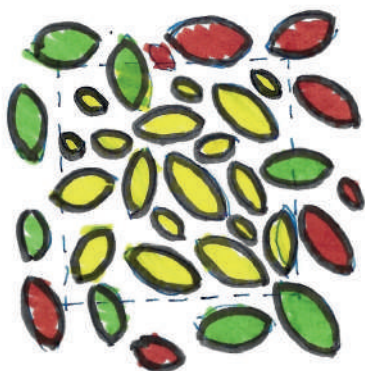
The research brings together several sources and techniques of collecting and analyzing information that led to two phases in the methodology: non-interventionist (1st phase) and interventionist (2nd phase) and articulates the theoretical knowledge with the practical applications, evidencing the interdisciplinary principles of light and colour planning that stimulate the humanization of the spaces.

The 1st phase corresponds to conceptual and thematic contextualization of the concepts and refers to the comparative analysis of four case studies (Usine Claude et Duval, Panificadora de Chaves, Vattenfall Magnum Energiecentrale and Manifattura Berluti). The 2nd phase corresponds to the implementation of the experimental pilot project in the O2a Group.

Project Relevance

This research tries to give a new perspective in architectural design practice by approaching industrial complexes from the perspective of sensory perception and its architectural effect on the humanisation of space.





Results

The different phases of research have provided participation in several public actions: academic, scientific and cultural activities of national and international scope; the publication of book chapters and articles that contribute to the dissemination of knowledge; the consolidation of partnerships that enable the articulation of research with teaching and practice and allow for broader discussions about different areas of knowledge. As main results we obtained a compilation of specific and concrete indications that could be considered in the planning of chromatic and lighting of similar spaces. Colour and light used appropriately, creatively, and with technical knowledge can constitute essential values for form, function, and image.

Partners

Design and Computation Group; Urbanidades Emergentes; 3D Digitization Laboratory; Colour Lab.

Dissemination

PUBLICATIONS

2021

Simões, Z. and Santos, F.

Bairro Alto: Proposta Cromática. In Durão, M.J. e Moreira da Silva, F. (eds). Cor, Espaço Urbano, Arquitectura e Design. Vila Nova de Famalicão: Edições Húmus / APCor / LabCor and GI.CorLuz – CIAUD. pp. 18, 85-102. ISBN: 978-989-755-651-7. Legal Deposit: 486763/21. eISBN: 978-989-755-650-0.

Simões, Z. and Santos, F.

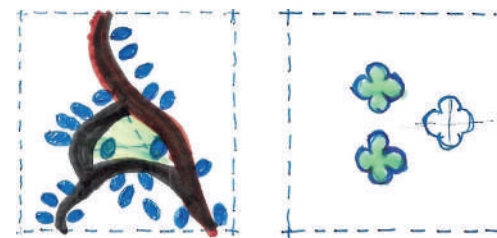
Bairro Alto: Chromatic Proposal. In Durão, M.J. e Moreira da Silva, F. (eds). Colour: Urban Space, Architecture, and Design. Vila Nova de Famalicão: Edições Húmus / APCor / LabCor and GI.CorLuz – CIAUD. pp. 18, 85-102. ISBN: 978-989-755-653-1. Legal Deposit: 486762/21. eISBN: 978-989-755-652-4.

2018

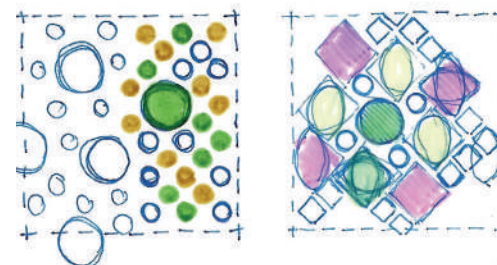
Simões, Z.

Defining Industrial Environments through Colour and Light. In AIC – International Colour Association (ed.). Proceedings of AIC Interim Meeting: Colour and Human Comfort. 26-28 Septembre. Lisbon: AIC – International Colour Association and APCor - Associação Portuguesa da Cor. pp. 195-200. ISSN: 2617-2410, eISSN: 2617-2429, ISBN: 978-0-64844724-4-5. By submission.

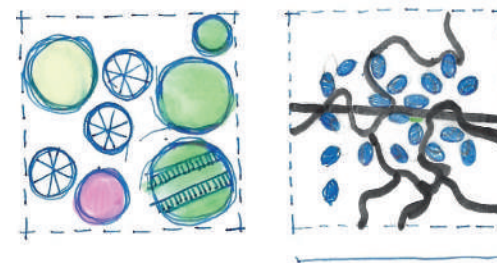
2016 Simões, Z. and Bezerra, R.
A luz e a cor na requalificação da paisagem diurna e noturna: Rua Cândido dos Reis, Cacilhas - Almada. In Mendes, M. et al (eds.). *Espaços Vividos e Espaços Construídos: Estudos sobre a Cidade.* 1 (3). pp. 26-36. ISSN: 2183-4644. By submission.



2015 Simões, Z.
Arte e Design Social Urbano: Visibilidade e Sentidos. In Mendes, M. et al (eds.). *Espaços Vividos e Espaços Construídos: Estudos sobre a Cidade* 1 (1). pp. 59-69. ISSN: 2183-4644. By submission.

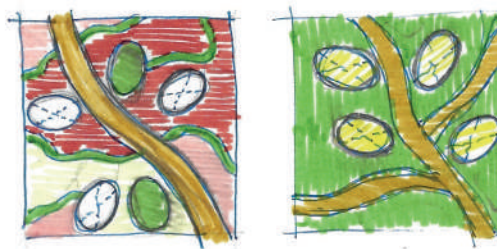


2014 Simões, Z., César, J.C.O. and Duarte, R.B.
Multisensory environments of light and colour: the permanent and the ephemera. In Ortiz, G. et al (eds.) *Proceedings of AIC Interim Meeting: Color, Culture and Identity: Past, Present and Future.* 22-24 Octobre. Oaxaca: AIC – International Colour Association and Amexinc – Asociación Mexicana de Investigadores del Color. pp. 363-382. ISBN: assignment inprogress. By submission.



2013 Simões, Z.
Inbetween light and shadow: (in)visibility. In MacDonald, L. et al (eds.) *Proceedings of AIC 12th Congress: Bringing Colour to Life.* 8-12 July. Newcastle: AIC – International Colour Association and Colour Group (GB). pp. 473 – 476. ISBN: 978-0901623027. By submission.

Simões, Z. and Bezerra, R.
Colour as Heritage: Chromatic Dynamics in the Requalification Process of Historic Centres of Fortaleza and Almada. In MacDonald, L. et al (eds.) *Proceedings of AIC 12th Congress: Bringing Colour to Life.* 8-12 July. Newcastle: AIC – International Colour Association and Colour Group (GB). pp. 1477 – 1480. ISBN: 978-0901623027. By submission.



COMMUNICATIONS

- 2023 Simões, Z.
(Oral) **A (i)Materialidade da Cor**. IV LabCor | GI.CorLuz Seminar Retrospective: education, research and practice, 25 May, Lisbon School of Architecture – University of Lisbon.
- 2021 Simões, Z.
(Oral) **A Arte da Cura**. Episódio 2. Idade Média: da Estagnação ao Avanço dos Árabes. Documentary by Rita Saldanha – RTP2, 9 December. By invitation.
- Simões, Z.
(Oral) **A Arte da Cura**. Episódio 1. Dos Primórdios da Medicina ao Império Romano. Documentary by Rita Saldanha – RTP2, 2 December. By invitation.
- 2019 Simões, Z.
(Poster) **The Expression and Interaction of Materiality in Space: Interdisciplinarity between Design, Construction and Living**. In: CIAUD Ongoing, 24 April, Lisbon School of Architecture – University of Lisbon.
- Simões, Z.
(Poster) **The Expression and Interaction of Materiality in Space: Interdisciplinarity between Design, Construction and Living**. In: International FCT's Evaluation of CIAUD, 3 April, Lisbon School of Architecture – University of Lisbon.