



## FILIPA SANTOS

### BIOGRAPHY

Filipa is an Architect, Colour Consultant and Researcher. She started her career in Portugal working in Railway projects, and in 2007, she took a position at a multinational Engineering and Consultancy company in the Netherlands, where she participated in several multidisciplinary projects involving areas as diverse as Health Care, Sports Facilities, Industrial Buildings, Commercial Real Estate, and Infrastructures. In 2013, Filipa spent a short period working in Indonesia and a longer one in the Middle East, finally returning to Europe in 2016 (Barcelona first and then, Lisbon). Her body of work is spread throughout Europe, Southeast Asia, Middle East, and North Africa.

### FIELD OF RESEARCH

A master's degree in Colour in Architecture enabled a specialisation in the field of interior architecture, where she explores concepts of colour communication and orientation in space, creation of atmospheres that respond to and facilitate functionality and the user's experience by forming connections between individuals and their environment, and overall holistic approach with a focus on humanization of space.

### CONTACTS

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### COMMUNICATIONS

2023 Soares, H.  
(Oral) **Comunicação, Atmosferas e Humanização**. IV LabCor | GI.CorLuz Seminar Retrospective: education, research and practice, 25 May, Lisbon School of Architecture – University of Lisbon.

## 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

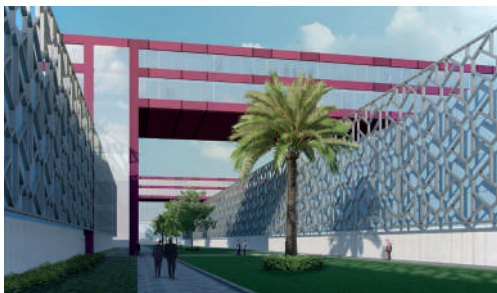
The research brings together several sources and techniques of collecting and analyzing information that led to two phases in the methodology: non-interventionist (1st phase) and interventionist (2nd phase) and articulates the theoretical knowledge with the practical applications, evidencing the interdisciplinary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

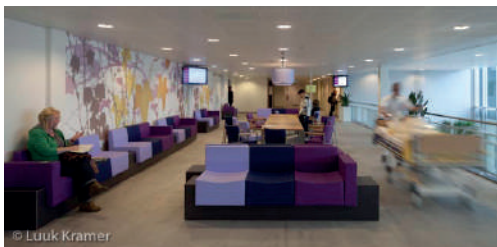
2021

Santos, F. and Simões, Z.

**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.

Santos, F. and Simões, Z.

**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.



### COMMUNICATIONS

2023

Santos, F.

(Oral) **Comunicação, Atmosferas e Humanização.** IV LabCor | GI.CorLuz Seminar Retrospective: education, research and practice, 25 May, Lisbon School of Architecture – University of Lisbon.

Santos, F.

(Oral) **Consultoria de Cor: Comunicação, Atmosferas e Humanização.** Round Table, Design Research and Innovation Week, 5 May, APCor and IADE – Universidade Europeia.

