

MARTINA FRATTURA

Beauty-informed lighting design and Research

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Lisbon, Portugal

EDUCATION

MSc., Architectural lighting design and Health, KTH, 2015

Concentrations: Master of Science

Thesis: *Instil, how to induce shared feelings through light*

Erasmus+, Human Technology Interaction, TU/e, 2015

Thesis Advisor: Federico Favero, Yvonne deKort, Indre Kalinauskaite

B.A, Interior design, Politecnico di Milano, Milano, 2011

RESEARCH EXPERIENCE

Holder, UNIBO postgraduate research grant - 2023

Scholarships for postgraduate research activities "Nudging Permeability", with the aim of defining the state of the art of neuro-architecture, useful for overcoming the obsolete human-space dichotomy. The main objective of this survey was to merge the current research results of these disciplines and to transform them into a valuable design tool.

Founder, THE BEAUTY MOVEMENT, 2021 – current

Think tank made of scientists from the field of neuro-aesthetics, artists, architects, and philosophers, who seek to extract the fundamental principles of the idea of beauty and, above all, of its impact to actively apply them to the various disciplines, raising their content and quality.

Independent researcher, A BEAUTIFUL LIGHT, 2017- 2023

Finding a trend in the physiological response of people to beauty, to set the basic parameters that a light stimulus should have to be equally triggering to state of fascination and release of direct attention.

with research groups:

IADE – Creative university, Lisbon, Portugal

IED Master – European institute of design, Madrid, Spain

Ugent – Department of Data Analysis Faculty of Psychological and Educational Sciences, Ghent, Belgium

with institutions:

IES – Illuminating Engineering Society, Calgary, Alberta, Canada

RESEARCH SKILLS

- Experiment design & set up
- Transdisciplinary approach

PUBLICATIONS

- Frattura M., Mancini Tortora M., Gonçalves E.J., Olszweska N., (2021). Senses & Sensibility'21: Designing Next Genera(c)tions. Proceedings of the UNIDCOM/IADE 11th International Conference. Lisboa: IADE Press, Universidade Europeia.
ISBN:978-989-53943-0-2
- Carucci C., Frattura M., (2015) "We are light. A celebration of the Unesco International Year of Light 2015" *International Association of Lighting Designers IALD*

TALKS

Annarita Ferrante, Frattura, Martina (2024). "Nudging permeability" - Presented at Adriatica Summer School, Pescara, Italy

Annarita Ferrante, Frattura, Martina (2024). "Nudging permeability" - Presented at WCAHSSE 2024-5th World Conference on Arts, Humanities, Social Sciences and Education, Vienna, Austria (remote)

Frattura, Martina (2023). "Where do you see the beauty?" - Presented at Miami Smart City Expo, Miami, Florida

Frattura, Martina (2023). "Colore. Città. Luce" - Round table intervention during Euroluce, Milan Design Week '23

Frattura, Martina – Mancini Tortora, Massimiliano (2021). "A Beautiful Light" Presented at the RGB Festival at La Sapienza University, Italy.

Frattura, Martina (2021). "A beautiful light. Fascination against depletion" Presented at the 11th International conference Senses and Sensibility 2021.

Frattura, Martina (2021). "La Bellezza nella luce"
Presented at the Luce e Colore tra Arte e Design module at Politecnico di Milano, Italy.

Frattura, Martina (2020). "Where do you see the Beauty?"
Presented at the [d]arc room livestream.

Frattura, Martina (2019). "Going beyond individuality: Gathering art and design to improve quality of life". Presented at the Think.Light Conference, Dubai.

Frattura, Martina (2018). "A beautiful light" research - Presented at Svensk Ljusdesigner annual meeting, during the International Day of Light

PROFESSIONAL MEMBERSHIPS

THE CENTRE FOR CONSCIOUS DESIGN, Fellow
IALD, Junior Associate
WOMEN IN LIGHTING

AWARDS AND HONORS

40under40 lighting designer LDA, 2020

CONTINUOUS EDUCATION

Moving Boundaries: Human Sciences and the Future of Architecture

Intensive 12-day course in the interface between disciplines concerned with design of the built environment and scientific disciplines concerned with human perception and behavior. These disciplines include neuroscience, neurophenomenology, cognitive science, environmental psychology, health sciences and others.

EMPLOYMENT EXPERIENCE

WHITE PURE, Portugal (2020 - 2023) Architectural lighting designer

- Schematic Design
- Design Development
- Construction Documents
- Construction Administration
- Meetings with clients

SYNAPSE, Portugal (2018-2020) Architectural lighting designer

- Schematic Design
- Design Development
- Construction Documents
- Construction Administration
- Meetings with clients
- Site visits
- Follow up

BDP Lighting, UK (2015-17) Assistant lighting designer

- Schematic Design
- Design Development
- Site visits
- Follow up

COLLABORATIONS

LIGHT & BEYOND, India (2022 - Current) Architectural lighting designer

- Lighting workshop with students
- Design Development
- Meetings with contractors

IMPRONTA CONSULTING, Italy (2021 - Current) Lighting advisor

- R&D
- Schematic Design
- Design Development

ACTIVITIES

LIGHTS IN ALIGSAS, Sweden (2023 - 2023) Workshop Head

- Lighting workshop with students

LIGHTIN AGORA', Italy – Milan Design Week (2023 - 2023) Project Manager

- Events' calendar coordination
- Billing Documents
- Events Administration
- Meetings with partners

LANGUAGES

Italian – Native

English - Fluent

Portuguese - Fluent