

Study day

3 décembre 2025 9 h - 17 h

natural light simulation tools

challenges and constraints
in architectural design

ensa **strasbourg**

6 bd wilson strasbourg



novomond - **nicolas moulin**

The LumENSA network is organising a Europe-wide study day focusing on the simulators at the ENSA Strasbourg Light Laboratory. This meeting will provide an opportunity to discuss the possibilities offered by natural light simulation tools and reflect on their impact on architectural design.

Natural light has a significant impact on the perception of space, but also on its use and the health of its occupants. In architectural design, simulating natural light allows for better management of atmospheres and enhances the comfort of our built environment. Beyond design issues, it has also become a tool for communicating the attractiveness of living and working spaces.

In this context, but also in view of the development of AI, the accuracy and veracity of simulation is a key issue in project development and promotion.

The speakers will present their work and how they integrate digital and analogue tools into teaching, design and project communication.

The day is aimed at teacher-researchers from European architecture schools. It may also be open to students from ENSA Strasbourg and its doctoral students.

Please let us know if you plan to attend.



schedule

9:00

→ **Café and Welcome**

9:30

→ **Introduction**

Céline DROZD

Claire KARSENTY

9:45

→ **Lars GROBE**

ETH Zurich

«Intersecting dimensions of daylight in architecture and building sciences»

→ **Andreas WAGNER** *Karlsruhe IT*

« Lighting design with real and virtual models »

11:15

→ **Break**

11h45–12h30

→ **Marie TREMBLAY LALIBERTÉ**

Université de Montréal

«Teaching light in interior design through embodied and lived experience»

→ **Bernard PAULE**

EPF Lausanne

«Daylighting: a look back at 40 years of teaching and professional practice»

12:45

→ **Lunch**

14:00

→ **Rodrigo AVENDANO**

KTH Stockholm

«the master in architectural lighting design at the KTH»

→ **Claire KARSENTY /**

Emmanuel BALLOT

ENSA strasbourg

«Pedagogy and research at the ENSAS lighting lab»

15:15

→ **Demonstration +**

Manipulation light laboratory

Experience in small groups

16:30

→ **Conclusion : proposal for contribution and collaboration**

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The research day is organised by **LumEnsa**, Label RSPA (certified as a scientific and educational network in architecture) by the French Ministry of Culture, and co-directed by Céline DROZD and Claire KARSENTY.

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organisation

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