

Daylighting summer course

Vicenza

Italy

July 8th- 19th 2013



LOCATION

Vicenza Institute of Architecture
Contra Ss. Apostoli, 51 36100 Vicenza, Italy

TIMETABLE

8th - 19th July 2013

PHILOSOPHY

The course introduces the culture of daylight, both as an expressive device, and as a technical tool for a sustainable design approach. Artificial light is presented not as an independent topic, but both in its integration with daylight and its increasing capacity as a key component for a positive impact on human well-being. An intensive educational experience set against a backdrop of the Italian Veneto, where participants are involved in daylight matter and its design, simulation and integration.

STRUCTURE

The intensive two-week course encompasses an interesting and varied programme, including lectures from professionals, and the opportunity to experiment with different technologies and techniques. The programme offers guided tours to experience the play of light in architecture, from Renaissance masterpieces by Palladio and Scamozzi, to Carlo Scarpa's works, and offers access to contemporary buildings by Piano, Fuchs, Ando, and to the recent Traverso-Vigby daylight experiments. All the speakers and tutors are highly experienced and qualified on their specific topics. The main focus of the course is on daylight, and how new SSL lighting systems can integrate with and emulate its natural pattern. Participants will be invited to develop their own daylight project, using scale models as an investigation method.

The fortnight will cumulate in the display of a participant/designed lighting installation, a visual demonstration of the attainments and creativity of the course.

WORKSHOP

20 hours

An Interactive design experience using scale models as a tool for investigation and light analysis

LECTURES

22 hours

- L1. Nature as Reference**
- L2. Light: concepts and definition**
- L3. Light, colour and perception**
- L4. Daylighting for Exhibition**
- L5. Noche zero, darkness and the preservation of the night sky**
- L6. Daylight Fundamentals**
- L7. Daylight Art**
- L8. The James Turrell Roden Crater**
- L9. Daylight integration and emulation**
- L10. Daylighting in film world**
- L11. Daylight Calculation Software**

SEMINARS

10 hours

- S1. SSL Technology and Control Systems**
- S2. Daylight Control Systems and technologies**
- S3. Daylight from physical to virtual spaces**

ARCHITECTURAL TALKS

4 hours

- A1. Daylighting in Architectural History**
- A2. Daylight and Architecture: the viewpoint of a professional photographer**

GUEST SPEAKER CONFERENCES

4 hours

- C1. Light: function and emotion in the architecture of tomorrow. LAVA projects from MASDAR to Philips lighting headquarter**
Alexander Rieck LAVA Architects
- C2. Building with light: Carlo Scarpa (1906-1978) and Umberto Riva (1928-)**
Ilaria Abbondandolo

TOURS

20 hours

- T1. Light in Contemporary Architecture**
experiencing lighting qualities in different contemporary architectures, contrasting the work of Scarpa, Ando, Fuksas
- T2. Venice Biennale**
an extraordinary and unique display of architecture for exhibition, featuring works by Aalto, Scarpa, Fehn and Stirling, among others
- T3. Veneto Tour**
a tour through the rich architectural history of the Veneto, from Scamozzi's Rocca Pisana to the more contemporary examples of Renzo Piano and Traverso-Vighy

VISITS

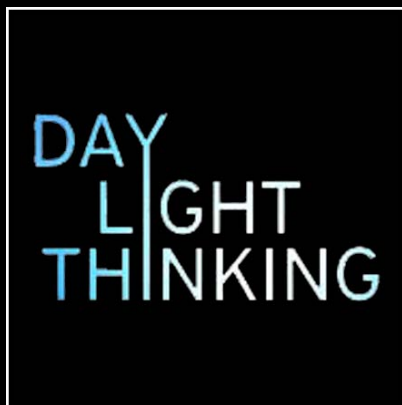
- V1. Enjoying the darkness 1**
night sky observations from the Astronomical Observatory in Asiago, a branch of the INAF-Astronomical Observatory of Padua
- V2. A Walk Around Vicenza**
exploring the city architecture with a consideration of daylighting, including the baroque church of G. Guarini, the Gallo Family flat by C. Scarpa, and several masterpieces by Palladio
- V3. Enjoying the darkness 2**
night visit to the Vicenza stonecaves

UFL CREDITS

Certificate of completion
The tutoring given on the Daylighting course equates to the same number of hours as a 3 credit course from the University of Florida.

CONTACT

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