

COURSE + WORKSHOP

Lighting Design for Cultural Heritage: LED and new technologies

VI EDITION



AWARDING BODY

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MANAGEMENT

Poli.Design consortium of
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DURATION

Course: 8 hours **in Italian**
Workshop: 40 hours **in English**

PERIOD

Course: 22/02/2016
Workshop: 23/02 - 11/03, 2016

COURSE TEACHERS

Maurizio Rossi
(Politecnico di Milano)
Diego Quadrio
(Studio Quantis)
REGGIANI illuminazione
Pietro Palladino
(Studio Ferrara - Palladino e
Associati)

WORKSHOP TEACHERS

Pietro Palladino
(Studio Ferrara - Palladino e
Associati)
Cinzia Ferrara
(Studio Ferrara - Palladino e
Associati)

REGISTRATION FEE

Cost of the course (8 hours) is
180€ + IVA. Cost of the
Workshop (36 hours) is 480€ +
IVA. Course and Workshop can
be purchased individually.
For registration details and more
information on the contents:
lab.luce@polimi.it. Discount of
10% for members of AIDI, APIL,
ASSIL, ASSODEL and ASSOLUCE.

COURSE CONTENT

As part of the course, it will be
discussed the types of LEDs for
cultural heritage (light source
types commonly used,
characteristics to be controlled
when selecting a LED product).
Link between efficiency and
color rendering. Advantages in
using them in terms of the
absence of UV and IR
radiation. Characteristics of
products on the market today
in terms of light output, light
distribution, CCT. Comparison
of retrofit solutions and
dedicated products.
Description of current CRI
index and limits of this system
compared to some types of
LED sources. Overview of the
various color rendering index
proposed in the literature as a
function of different design
applications.
Products and technologies to
illuminate cultural heritage.

The museum container:
features and precautions.
Designing the light for the
cultural heritage. The course (8
hours) will be held **in Italian
language**, with translation in
English if needed).

WORKSHOP CONTENT

The workshop aims to
introduce contents and analysis
on issues related to lighting
design of in the cultural
heritage, through the
development of a hypothetical
project on a case study.
Lighting of cultural heritage is
one of the area's most
challenging and complex for
lighting designers because of
the multiplicity of objectives
that should be pursued in the
project. The protection and
preservation of the goods, with
special attention to the works
of art, have as main design
constraints defined by specific
technical standards. At the
same time there is the need of
the exhibition of the work, the
monument, the object or
artifact, in the manner and
with the means suitable for the
correct visual, perceptual and
cognitive fruition.
The design workshop aims to
deepen and develop the theme
of lighting for cultural heritage
considering the variety of

places where the exhibition
design are made in a space
existing museum assumed as
field of intervention. For the
purposes of a successful
participation in the workshop it
will be required that
participants' have basic
knowledge of lighting design.
During the workshop there will
be a visit to Reggiani lighting
headquarters. The workshop (40
hours) will be held in **English
language**.

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