

# “SAPIENZA” UNIVERSITY - ROME

## DIPARTIMENTO DI ARCHITETTURA E PROGETTO

In collaboration with:

**SOVRAINTENDENZA AI BENI CULTURALI DEL COMUNE DI ROMA**

**SSML SCUOLA SUPERIORE MEDIATORI LINGUISTICI GREGORIO VII ROME**

### Patronage:

**MiBAC** MINISTERO PER I BENI E LE ATTIVITA' CULTURALI

**AIDI** ASSOCIAZIONE ITALIANA DI ILLUMINAZIONE

**APIL** ASSOCIAZIONE PROFESSIONISTI DI ILLUMINAZIONE

**ASSIL** ASSOCIAZIONE PRODUTTORI DI ILLUMINAZIONE

**ASSODEL** ASSOCIAZIONE NAZIONALE FORNITORI ELETTRONICA

Sponsor:

**iGUZZINI – PHILIPS**

Software partner:

**RELUX -LIGHTWEB**

## workshop

# BASICS OF LIGHTING DESIGN, COLOUR AND VISUAL PERCEPTION

14th - 19th May 2012

theory and applications (9.00 – 13.00 / 14.00 – 17.00 – 18.30)

Lighting design is a complex subject, which involves many aspects: physics, eye physiology, psychophysical mechanisms of the perception, optics, theory of colour, architecture, material science. The first week of workshop aims providing strong bases on which people develop the special skill required to enter into the world of light and daylight. Theoretical lectures about physics of light and colour, about eye functioning, about definition and measurement of lighting parameters, happen by turns of exercises in which students can use the most common instruments and can apply calculation methods.

### Program

**Monday 14** 9.30-11.30

**Corrado TERZI** Architect and Lighting Designer. Professor of Industrial Design - "Sapienza" University - Rome.  
Ex Director of MLD

"The Architecture of Light"

**Monday 14** 11.30-13.00/ 14.00-18.00

**Alessandro FARINI** Doctor of Search in Physics - National Institute of Applied Optics - Firenze

"Light, colour and perception"

**Tuesday 15** 10.00-17.00

**Francesco BIANCHI** Architect. Professor of Physics Faculty of Architecture. University Roma Tre.  
"Radiant energy. The photometric measures"

**Wednesday 16** 10.00 – 17.00

**Aldo BOTTOLI** Director of Colour Observatory, Professor in Indaco Department of Politecnico (Milano), and Academy of Fine Arts (Macerata)  
"Ergonomics of colour"

**Thursday 17** 10.00 – 18.00

**Luca MERCATELLI** Doctor of Search in Physics - National Institute of Applied Optics - Firenze  
"Instruments and methods of photometric measurement"

**Friday 18** 10.00 – 12.00

**Pietro MARI** Photographer  
"Light and Photography"

**Friday 18** 13.00 – 18.00

**Marco FRASCAROLO** Engineer and lighting designer. Researcher and Professor of Physics, Faculty of Architecture. University Roma Tre  
"History of Lighting design. Relationship between photometry units and photometric methods of calculation"

**Saturday 19** 10.00-13.00

**Marco FRASCAROLO** Engineer and lighting designer. Researcher and Professor of Physics, Faculty of Architecture. University Roma Tre  
"Calculation methods. Exercise"

### General info and contact details

Convention centre:	Facoltà di Architettura, Via Gianturco 2, 6° floor, room 612
Hours amount:	6 days (36 hours)
date:	14th – 19th May 2012
time :	9.00 – 13.00 / 14.00 – 17.00 – 18.30

**registration 1 workshop\*:**

**€. 600**

**People who want to attend more than one workshop can get some facilitation:**

<b>n° workshop</b>	<b>graduates and professionals</b>
<b>2 workshop</b>	<b>€ 1000</b>
<b>3 workshop</b>	<b>€ 1500</b>
<b>4 workshop</b>	<b>€ 2000</b>
<b>5 workshop</b>	<b>€ 2400</b>
<b>6 workshop</b>	<b>€ 2800</b>

<b>7 workshop</b>	<b>€ 3300</b>
<b>8 workshop</b>	<b>€ 4000</b>
<b>9 workshop (+ 3 mesi gratis)*</b>	<b>€ 5000</b>

**\*Who want to buy the 9 workshop set, is allowed to complete the cycle for free.**

**For people from lighting manufacturing industries, who are interested in these workshops, special offers (in relation to payment conditions and to the educational training) can be arranged.**

**AIDI's members will have a discount, equal to the annual fee € 70 (individual member).**

**The application have to be submitted within May the 12, 2012**

**Please, send us an e-mail to let us know if you are interested in the optional lighting fundamentals course.**

The application form can be requested to the organization committee.  
At the end of workshop a certificate of attendance will be issued to everyone who has attended at least 85% of lessons and applications.

**Internet Site:** [www.masterlighting.it](http://www.masterlighting.it)

**e.mail:** [info@masterlighting.it](mailto:info@masterlighting.it)

**Tel.** +39.339.2007187

**Director**

Prof. Stefano Catucci  
"Sapienza" University – Rome

**Scientific Coordination**

Prof. Arch. Corrado Terzi

**Coordination of Tutorship**

Ing. Marco Frascarolo

**Organizational coordination**

Arch Floriana Cannatelli

**Classes are held at:**

Facoltà di Architettura - "Sapienza" University – Rome  
Via Gianturco 2, 6° floor, room 612, 00196 Roma

**Administration:**

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