



# COURSES OF THE FACULTY OF DESIGN OF THE MILAN POLYTECHNIC INSTITUTE

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## Workshop - LIGHTING DESIGN IN URBAN ENVIRONMENT: LEDS AND NEW TECHNOLOGIES

Academic year 2009 - 2010

**Continuing education course of the Milan Polytechnic Institute**

Director: Prof. Maurizio Rossi, *Politecnico di Milano*

Vice-Director: Prof. Francesco Murano, *Politecnico di Milano*

**Course secretary:**

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### COURSE LENGTH

40 hours

### ORGANISED BY

Dip. In.D.A.Co.  
Politecnico di Milano

### WHEN

December 2-18, 2009

### WHERE

Lab. LUCE & COLORE  
Politecnico di Milano  
Via Durando 10  
Campus Bovisa, ed. LM  
MILANO

### TIMETABLE

Morning: 9:15 am - 1:15 pm  
Afternoon: 2:15 pm - 6:15 pm

### REGISTRATION FEE

Overall fees: EUR 680. Fee is VAT exempt, pursuant to art.10 DPR 633/26.10.72 and amendments.  
Please, contact Course Secretary for payment terms.  
15% off for AIDI members.

### TRAINERS

prof. Francesco Murano  
*Politecnico di Milano*  
prof. Maurizio Rossi  
*Politecnico di Milano*

### PRELIMINARY SKILLS

The following preliminary skills are requested for a better attendance to workshop: photometry and lighting technique basics.  
General information on technical and functional performance of light sources, equipment and lighting systems.  
Knowledge of at least one program for photometric calculation, such as Litestar, Dialux, Relux, and the like.

Knowledge of at least one program for photo-retouch, such Photoshop, and the like.

### COURSE CONTENT

Contemporary cities look ever more like an enormous set where light accomplishes different functions:

- A lightening function, when it makes roads and places visible and safe
- A theatrical function, when it enhances monuments and architectures
- A communication function, when it conveys messages by means of written words and images
- An artistic function, when it embodies in luminous systems

This workshop aims to identify, within urban space, the places where light can accomplish all these functions at the same time, and make out projects and actions which, by means of light, can transform the spaces, places, architectures, monuments, and behaviors of those who can be found there.  
To this end, the workshop covers the learning of the different basic techniques of Lighting Design, specifically linked to the various functions indicated above, by deepening also new LED and discharge sources.

