



In collaboration with:

**SOVRAINTENDENZA AI BENI CULTURALI DEL COMUNE DI ROMA**  
**SSML SCUOLA SUPERIORE MEDIATORI LINGUISTICI GREGORIO VII**

Patronages:

**MiBAC** MINISTERO PER I BENI E LE ATTIVITA' CULTURALI  
**AIDI** ASSOCIAZIONE ITALIANA DI ILLUMINAZIONE  
**APIL** ASSOCIAZIONE PROFESSIONISTI DI ILLUMINAZIONE  
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**ASSODEL** ASSOCIAZIONE NAZIONALE FORNITORI ELETTRONICA

Sponsor:

**A.A.G. STUCCHI - CLAY PAKY – EXENIA – LINEA LIGHT - TARGETTI**

Technical Sponsor :

**ILM LIGHTING**

## **WORKSHOP**

# **ELECTRICAL SYSTEMS. AUTOMATION AND CONTROL SYSTEMS.**

**May 15–19 2023**

The technological systems for artificial lighting are made of energy supply system, equipment, luminaires, sources and electrical accessories, and by regulation and control systems. In highly complex plants, there are specific systems for continuous monitoring of the proper functioning of the plant and of each single lamp in order to optimise intervention timelines and minimise inconvenience to users. The knowledge of these aspects is essential not only for electrical installers but also for lighting designers who have to make design choices that are aware not only of the lighting result, but also of all the other relevant considerations, ranging from the impact on masonry works to energetic management and safety aspects. A special focus will be given to those systems for the regulation of lighting fluxes, which are increasingly on demand for both energy and design reasons, and to emergency lighting systems, which are mandatory for many applications and often overlooked at the design stage.

### **Addressees of the Workshop**

Professionals in the field, architects, engineers, installers and technical promoters.  
For those who wish to expand their knowledge about the fundamentals,  
an optional class will be held on Saturday morning May 13 on request.

**Location: Facoltà di Architettura Via Emanuele Gianturco aula G44, or online on request.**

## Program

**Monday 15** 9:30 am – 12:30 pm

**Luigi MARTIRANO** Engineer. Full Professor at the Faculty of Engineering, Sapienza University of Rome

"Electric lighting systems. Lighting components and systems."

"Introduction to Electrical Lighting Systems.

Components and systems for electrical power supply."

**Monday 15** 2:00 pm - 5:00 pm

**Andrea TAMAGNINI** Engineer. Control System Designer

"Lighting and motor control logic functions in lighting design. Case histories. Examples of installations sistema."

**Tuesday 16** 9:30 pm – 12:30 pm

**Stefano CONVERSO** Researcher in Architectural Design Roma TRE University  
Department of Architecture

"Explanatory elements of electrical installations for classroom practice on artistic, street and interior lighting design."

Applications with BIM approach."

**Tuesday 16** 2:00 pm - 5:00 pm

**Luigi MARTIRANO** Engineer. Full Professor at the Faculty of Engineering, Sapienza University of Rome

"Set-up and sizing of LV electrical installations."

"Design elements of electrical and lighting control systems."

**Wednesday 17** 9:30 am -12:30 pm

**Giorgio CECCHINI** System Integrator ABB

Workshop: "Design and programming of control systems for a lighting design."

**Wednesday 17** 2:00 pm - 5:00 pm

**Stefano CONVERSO** Researcher in Architectural Design Roma TRE University  
Department of Architecture

Workshop: "BIM concept development of a BIM lighting installation."

**Thursday 18** 9.30 am -12.30 pm

**Luigi MARTIRANO** Engineer. Full Professor at the Faculty of Engineering, Sapienza University of Rome

"Automation and control systems. Special electrical installations. Design elements of electrical and control systems for illumination."

**Thursday 18** 2:00 pm - 6:00 pm

**Luigi MARTIRANO** Engineer. Full Professor at the Faculty of Engineering, Sapienza University of Rome  
Workshop: "Development of a lighting system design."

**Friday 19** 9:30 am – 12:30 pm / 2:00 pm - 6:00 pm

**Luigi MARTIRANO** Engineer. Full Professor at the Faculty of Engineering, Sapienza University of Rome  
Workshop: "Development of a lighting system design."

### Workshop fees

dates:

**May 15–19 2023**

<b>Enrolment fee 1 workshop:</b>	<b>€. 500</b>
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Reductions are available for those who wish to attend more than one workshop, as outlined in the following table:

<b>n° workshop</b>	
<b>2 workshop</b>	<b>€ 900</b>
<b>3 workshop</b>	<b>€ 1200</b>
<b>4 workshop</b>	<b>€ 1700</b>
<b>5 workshop</b>	<b>€ 2100</b>
<b>6 workshop</b>	<b>€ 2500</b>
<b>7 workshop</b>	<b>€ 3000</b>
<b>8 workshop</b>	<b>€ 3500</b>
<b>9 workshop (+ 3 months free)*</b>	<b>€ 4200</b>

**All those who will purchase the 9-unit package will be able to complete the training courses free of charge. Customised solutions (both economic and training content-wise) are available for companies wishing to enrol more people in the workshops. There is a discount for AIDI members equal to the annual registration fee of € 70 (individual member). Registration must take place by 13th May 2023. Please let us know by e-mail if you would also be interested in the optional day.**

A participation certificate will be issued at the end of the Workshop to participants who have attended at least 85% of the lectures and tutorials.

**Contacts:**

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**Principal**

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**Business Office**

DEPARTMENT OF ARCHITECTURE AND DESIGN - "Sapienza" University of Rome

Via Flaminia 359, 00196 Roma



# WORKSHOP

## ELECTRICAL SYSTEMS. AUTOMATION AND CONTROL SYSTEMS.

May 15–19 2023

theory and exercises (9:30-12:30 / 14:00 – 17:00)

### Workshop application form

(to be sent by email to [mastermld@uniroma1.it](mailto:mastermld@uniroma1.it) )

- NAME
- SURNAME
- CITIZENSHIP
- DATE OF BIRTH
- PLACE OF BIRTH
- TAX CODE
- MAILING ADDRESS
- CITY
- POSTAL CODE
- STATE
- PHONE OFFICE
- CELL PHONE
- FAX
- E-MAIL
- MOTHER TONGUE
- KNOWN LOANGUAGE
- ACADEMIC DEGREE:
- STUDENT ID:
  
- **Bank transfer details**
- **UNICREDIT SPA - La Sapienza University Treasury - Agency 153**
- **account holder: University of Rome "La Sapienza" Department of Architecture and Design (1331)**
- **IBAN: IT42K0200805227000401386491**

The Department, owner of the data processing, informs you that the data collected hereby will be subject to computer processing for the purpose of sending information regarding the courses or public initiatives organized by us for which such data are essential, of course you are entitled to the rights under art. 13 of law 675/96

The undersigned confirms the truthfulness of the data provided in accordance with law 675/96 and consents to the processing of his/her data for purposes related to the workshop as well as for advertising purposes of "Sapienza" University of Rome.

DATE

SIGNATURE