

# LIGHTING EDUCATION: METHODS, APPROACHES AND EXPERIENCES

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## Abstract

### 1. Motivation, specific objective

The workshop targets to strengthen the influence of CIE on education and improve the collaborations among universities on the CIE platform. It aims to attract educators, researchers, and students from universities all over the world on participate and follow the CIE academic activities, and promote professional training in the lighting industry, establishing the connection between academia and industry on lighting.

### 2. Methods

The workshop will take 90 minutes, including a 5-minute introduction, a 30-minute invited speech session, a 50-minute open discussion session, and a 5-minute conclusion session. The location and time of the workshop will follow the arrangement of the 30th quadrennial session of the CIE. Three speakers will be invited from different fields for a 10-minute presentation, respectively, sharing their experience in academic research and profession training on lighting. During the discussion session, a list of topics will be discussed on the role and future work of CIE Education, understanding attendants' needs for CIE Education and collecting ideas & advices from the audience. Finally, the key points collected will be summarized in the conclusion session.

The invited presentations will be as follows:

- I. Laura Bellia (IT): Teaching Lighting in Degree and Master Degree Programs
- II. Houser Kevin (US): Contemporary considerations for teaching and learning about lighting
- III. Nozomu Yoshizawa (JP): Lighting education curriculum - lectures and studios

### 3. Topics for discussion

The following topics will be proposed for the 50-minute discussion:

- a. What role can CIE play in the lighting education for professionals?
- b. What are the expectations towards CIE in terms of academic education (access to publications, conferences, services, etc.)?
- c. What CIE resources would be useful for the academic learning?
- d. What supporting programs from CIE would be useful to encourage the work of young scientist and scholars?
- e. How can CIE further support the continuing education of lighting professionals, including support to the education providers?
- f. How to carry out the international certification of professional education?
- g. What criteria could be set to indicate the level of knowledge, understanding, application and further dissemination on CIE lighting topics?

### 4. Conclusions

Above all, the workshop is proposed to raise the interest of attendants on CIE Education and understand the needs of academic scholars and industrial professionals from various aeras on CIE, collecting their ideas and advices to pre-plan the future work of CIE Education.