香 港 照 明 學 會

CIE (Hong Kong) Limited

Member of CIE (Commission Internationale de l' Eclairage)

Lighting Professional Short Courses, 2018

The course is designed for CPD, especially for Electrical and Building Services members of the HKIE, members of CIBSE and trade professionals.

CIBSE HK Branch, HKIE Building Services Division and HKIE Electrical Division are the supporting organizations to the course and their members can register with the member rate.

Session 1	**Introduction to Light and Lighting**
Date : 8 May 2018 (Tuesday) Time : 7:00 pm - 9:00 pm Venue: PolyU Room PQ303	Member HK$450 Non-member HK$550
Speaker **Dr. Roger Ng** **Hong Kong Institute of Vocational Education (Shatin)**	1. Lighting quality and visual task performance 2. How light affects behavior, safety, and perception of objects and space 3. Lighting and health 4. Lighting energy 5. Light pollution

Session 2	**Impact to Lighting Design/ Installation for Building Energy Code 2015**
Date : 15 May 2018 (Tuesday) Time : 7:00 pm - 9:00 pm Venue: PolyU Room PQ303	Member HK$450 Non-member HK$550
Speaker **Ir Leo Kong** **WSP**	1. Overall review of BEC 2015 relating to lighting application in new and existing buildings 2. Approaches to Comply with the Lighting Power Density (LPD) & Automatic Lighting Control 3. Tips for BEC Lighting application 4. Case study of applying the BEC requirement (Lighting) and compliance

Session 3	Lighting Simulations, procedures and design considerations
Date : 29 May 2018 (Tuesday) Time : 7:00 pm - 9:00 pm Venue: PolyU Room TU103	Member HK$450 Non-member HK$550
Speaker **Dr. Tommy Wei** **Hong Kong Polytechnic University**	1. Introduction of basics of lighting calculations used in simulation (e.g., lumen method, form, factor, configuration factor) 2. Demonstration of a simple online tool for lumen method calculation 3. The application and limitation of lighting simulation software for electric lighting 4. Daylighting simulation: daylight factor(DF) versus climate-based daylight modeling (CBDM). 5. The application and limitation of lighting simulation software for daylighting

Session 4	Daylighting and Solar Energy
Date : 5 June 2018 (Tuesday) Time : 7:00 pm - 9:00 pm Venue: PolyU Room TU103	Member HK$450 Non-member HK$550
Speaker **Dr. Danny Li** **City University of Hong Kong**	1. Interior daylight prediction approaches under various skies and environmental conditions A. Vertical Daylight Factor B. Point Daylight Factor C. Average Daylight Factor 2. Daylight-linked lighting controls A. Dimming Controls B. B. On-off controls: i. Standard switching ii. Differential switching iii. Switching-linked time delays iv. Daylight-linked time dealys v. Solar reset

Session 5	**Task Lighting & Variable Lighting**
Date : 12 June 2018 (Tuesday) Time : 7:00 pm - 9:00 pm Venue: PolyU Room TU103	Member HK$450 Non-member HK$550
Speaker **Mr. Geoffrey Chan** **Mr. Henry Yau** **Delight Power Products Limited**	1. Task and Variable Lighting Fundamental and Benefits beyond energy saving 2. Variable Lighting for Workplace and classrooms – case studies 3. Implementation issues beyond cost – schedule, skill set availability, control and drivers 4. Evolving and Competing Technologies and Standards – wired vs wireless, central vs distributed computing/intelligence 5. Sustainability and Total Life Cycle Cost of Ownership

Session 6	**Environmental Friendly Lighting Design**
Date : 19 June 2018 (Tuesday) Time : 7:00 pm - 9:00 pm Venue: PolyU Room TU103	Member HK$450 Non-member HK$550
Speaker **Ir Sam Pang** **Meinhardt Consulting Engineers**	1. Energy efficiency 2. Optimizing the potentials of daylight 3. Minimization of light pollution 4. Sustainability and waste reduction

- This form together with a crossed cheque payable to "**CIE (HONG KONG) LIMITED**" should be returned to Ir KS Mak, ***c/o* Beghelli Asia Pacific Limited, Unit 610, Lakeside 2, No. 10 Science Park West Ave., HK Science Park, Shatin, HK**
- Certificate of Attendance will be issued to participants.
- An Acknowledgment of Receipt of your enrollment fee will be sent to you upon receipt of your application.
- No refund will be made after payment, but participants can arrange to have their places substituted should they be unable to attend the programme by notifying the Secretary to **Coordinator of Professional Short Courses, Ir KS Mak** at 2620 5522 at least 2 days prior to session commencement.
- Telephone or fax reservations are welcome but are subject to confirmation by payment in full within 5 days of the date the reservation is made or 5 days prior to programme commencement, whichever is sooner.
- No classes will be held when black rain warning or typhoon signal no. 8 is in force. There will be no change in class if the black rain warning and/or typhoon signal no. 8 is lowered before 3 p.m. of that evening session.
- For reservations and enquiries please call the Secretary to CIE (HK) Professional Short Course Coordinator, Ir KS Mak at 2620 5522 during normal office hours or fax to 2620 6677.
- The **CIE (HK)** reserves the right to make alternations regarding the details.

- When courses are over-subscribed, the applicants will be treated on a first-come-first-serve basis. The **CIE (HK)** will notify the unsuccessful applicant(s) by fax or email (applicants please provide email, telephone contact and fax number) and will refund the application fee accordingly. Please provide clear contact information together with your application. We shall contact you should there be the need to change the time, date and place of the course.

PLEASE FILL IN THE FOLLOWING RESERVATION FORM AND FAX BACK TO CIE (HK) AT 2620 6677 OR EMAIL TO ksmak@beghelliasia.com

Name Mr./Mrs./Ms. _____ Company :_____

Address :_____

Tel No.:_____ Fax No.: _____ Email :_____

Membership No.: _____ Institution:_____

Total Course Fee (HK$):_____ Date :_____

Please tick "✓" those session(s) you are interested in.

☐ **1. Introduction to Light and Lighting (8 May 2018)**

☐ **2. Impact to Lighting Design/ Installation for Building Energy Code 2015 (15 May 2018)**

☐ **3. Lighting Simulations, procedures and design considerations (29 May 2018)**

☐ **4. Daylighting and Solar Energy (5 June 2018)**

☐ **5. Task Lighting & Variable Lighting (12 June 2018)**

☐ **6. Environmental Friendly Lighting Design (19 June 2018)**