

Organized By:



**EDUCATION
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**CPD seminar on GEES Certified Professional
on Indoor Air Quality (GEES CP IAQ) /
UL Building Indoor Air Quality (UL BIAQ) Programs**

(Accredited by AIBC and certified by UL)

4th August 2016 / 1930 – 2200 hrs

Convened by GEES Group
NO. 1 2016

To apply for seats, please go to: <http://www.thegeesgroup.com/wp-reg/>

Indoor Air Quality

People spend around 90% of their time on indoor activities, including working, sleeping, eating, reading, etc. and, therefore, the quality of the indoor environment has great impact on human health and well-being.

The term IAQ is defined as the characteristic of the indoor climate of a building, including the gaseous composition, temperature, relative humidity, and airborne contaminant levels (human bio-effluents, chemicals). The indoor air likely contains harmful chemicals such as volatile organic content (VOCs), formaldehyde, environmental tobacco smoke (ETS) and particulate matters (PM 2.5/PM 10).

Occupants in poorly designed or regularly maintained mechanically ventilated buildings may suffer sick building syndrome. The symptoms include eye, nose or throat irritation, headaches, fatigue, dizziness, difficulty in concentration, dry skin, rashes, irritability, nasal congestion, etc. Study also shows that children and elderly are more vulnerable to air pollutants. Better design, audit and regular maintenance of ventilation systems help to ensure good IAQ. Meanwhile, collecting indoor air samples and analyzing them in a scientific laboratory is the most effective way to identify and benchmark actual IAQ, after construction or during occupancy.

What is GEES CP IAQ ?



GEES CP IAQ stands for Green Environment & Energy Saving Certified Professional in Indoor Air Quality. This certification program is accredited by the Academy of Intelligent Building Certification (AIBC), an organization committed to help standardize and promote the terms, definitions and best practices used by the intelligent and green building industry in Hong Kong and the Asia Pacific Region and certified by UL Environment (ULE), which is a worldwide leading organization in certification and validation.

The candidate for **GEES CP IAQ** is required to attend a total of 27-hour in classroom and laboratory training and 2-hour examination for accreditation. **GEES CP IAQ** holder is authorized to perform on-site sampling with UL laboratory in Nansha, Guangdong Province, PRC, as support. **GEES CP IAQ** holder can also be involved in UL's new program: Building Indoor Air Quality to help clients achieve related certification relating to Building Indoor Air Quality.



UL BIAQ — Indoor Air Quality Certification for Buildings

The UL Indoor Air Quality Building Certification Program is the world's first comprehensive indoor air quality certification and preventative maintenance program.

It addresses moisture, mold, VOCs, odors and other aspects of indoor air quality and provides the certification holder with a UL Certification Mark to communicate the achievement to their customers and stakeholders. People who are qualified with UL BIAQ AP can help with the certification process of UL BIAQ projects.



Objectives of this CPD seminar

- To appeal to the audience the impact of indoor air quality on their physical health.
- To provide information to those professionals who are interested to pursue how to be equipped with a qualification recognized by UL.
- To introduce candidate IAQ testing, monitoring, and management techniques.
- To keep the participants informed of the frontiers of IAQ management.

Audience

This seminar is ideal for architect, project manager, green building consultant, developer, sustainability coordinator, landscape architect, technical manager, energy engineer, MEP consultant, facility managers, or anyone interested in understanding indoor air quality issues and the way to improve IAQ for a better indoor/office environment.

Speakers

Ir C K Cheung

RPE, Registered EMS,
Energy & Carbon
Auditor



Founding President of the Hong Kong Institution of Certified Auditors;
Vice-President of the HK & Macau Environmental & IAQ Association;
International EMS Peer Evaluator for International Accreditation Forum IAF-MLA;
Ex-Senior Officer of the HK Government Accreditation Service (HKAS) in charge of the IAQ Program

Ir CK Cheung has close ties with environmental construction and is working actively on IAQ, energy & carbon emission training & technological development. He now is a "Registered Professional Engineer" and Graduates of "Imperial College of Science & Technology of the University of London" & the "University of Hong Kong". Not only that, he is also the Founding President of the HKICA, Lead Assessor of IAS of USA/ L-A-B of ANAB/ JAS-ANZ.

Ir Dr Albert T So

PhD, CEng,
FIMechE, FCIBSE,
FSOE, MASHRAE,
SMIEEE, REA



Honorary Associate Professor of HKU;
Co-Founder of AIBC;
VP of Asian Institute of Intelligent Buildings (AIIB)

Ir Dr Albert T So is specialized in building automation, energy and elevator systems, having published more than 300 articles in international journals and conference proceedings. Dr So has been awarded 3 bronze medals from CIBSE on best publications and services. He was also awarded four patents, one from Hong Kong, one from China and two from the U.S.A. He is one co-founder of the Academy of Intelligent Building Certification (AIBC), Director of Asian Institute of Built Environment, Scientific Advisor and Executive Board Member of the International Association of Elevator Engineers. Currently, he is based in Seattle in the U.S.A.

Prof Andrew Leung

PhD, CEng, MStructE,
FRICS, FRAeS, FCIQB,
FHKIE



Professor of Architecture & Civil Engineering, City University HK
Chairman of China Green Building Council Hong Kong
President of Asian Institute of Intelligent Buildings
President of The Academy of Intelligent Building Certification

Prof Leung is the Guest Professor of Harbin Institute of Technology, Tianjin University, Huazhong University of Science and Technology, Beijing University of Aeronautics and Astronautics, Dalian University, Shenyang Architectural University, Foshan University, Hubei University of Technology, Sichuan University, Northeastern University, Wuhan University. His research focuses on Green Buildings, CFD, stability & vibration, acoustics and chaos; fractals and fractures; intelligent and green buildings, multi-scale simulation of complex material behavior. And by now, he has published more than 500 papers.



Curriculum

Time	Speaker	Topic	Content
1930 – 2015	Ir C K Cheung	HK & Macau IAQ Schemes	<ul style="list-style-type: none"> ● HK Scheme for General IAQ for Office, Shopping Mall, Hotel and Restaurant ● Macau Scheme for Smoking Area in Casino
2025 – 2110	Ir Dr Albert T So	Looking at IAQ from ASHRAE's perspective	<ul style="list-style-type: none"> ● ASHRAE 62.1 ● ASHRAE 62.2
2120 – 2200	Prof Andrew Leung	IAQ Problems and Solutions	<ul style="list-style-type: none"> ● Causes, sensors and actions
Date/Time: 4 th August 2016/ 19:30 to 22:00 Language: English			
Venue: Eco - Health Institute, 1A, 60, King's Road, North Point (near Fortress Hill MTR) (TBC)			
CPD earnings: LEED Professional (2.5 hours) / GEES CP (2.5 hours)			

Fees

	Early bird (register before 4 th July)	Regular Fee
Member of Co-organizer/ Supporting organization	HK\$ 100	HK\$ 200
Non-members	HK\$ 220	HK\$ 400

Seating is limited. Registration deadline is ONE WEEK PRIOR to seminar date.

Confirmation of seat after payment received.

Please deposit payment to L GEES Limited account# 078-505302-838 at HSBC,

For any enquiry please contact us at training@lgees-ltd.com

The organizer reserves the right to postpone or cancel the event due to black storm, typhoon no. 8 or above, or other situation that arises. If such situation arises, refund will be made

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