

Seminar on Healthcare Engineering Systems of Private Hospital Profile of Speakers

Programme on 21 February 2019

Presentation Topic: Regulation of private healthcare facilities

Dr Darwin MAK

Principal Medical and Health Officer (Private Healthcare Facilities)¹
Department of Health



Speaker's Profile

Dr Darwin MAK is the Principal Medical and Health Officer of the Department of Health. He heads the Licensing Section of the Office for Regulation of Private Healthcare Facilities and is responsible for the licensing and monitoring of private healthcare facilities including private hospitals in Hong Kong under existing legislation. He has also been involved in the legislative review of the regulation of private healthcare facilities and standard setting for day procedure centres.

Dr MAK received medical education and postgraduate education in public health at the University of Hong Kong. He is a specialist in Public Health Medicine, fellow of the Hong Kong Academy of Medicine, and a fellow of the Hong Kong College of Community Medicine. He served as the Chairman of the Hong Kong Society of Community Medicine in 2013-2015.

Presentation Topic: Guidelines on healthcare engineering systems of private hospitals

Ir Vincent YUEN

Senior Engineer (Private Healthcare Facilities)

Department of Health



Speaker's Profile

Ir Vincent Yuen is the Senior Engineer of the Office for Regulation of Private Healthcare Facilities, Department of Health (DH). He leads the Healthcare Engineering Unit, overseeing the registration requirements in respect of electrical and mechanical systems of private healthcare facilities.

Ir Yuen graduated from the University of Hong Kong with a Bachelor of Science (Engineering). He also obtained a Master of Engineering Science and a Master of Science in Engineering Management from the University of New South Wales and the City University of Hong Kong respectively. Having worked in the electricity supply industry for over ten years, Ir Yuen joined the Electrical and Mechanical Services Department (EMSD) in 1998 as an electrical and mechanical engineer. He served in various positions with the EMSD responsible for providing project management services, enforcement of the electricity legislation and providing engineering services for the public health sector until he took up his current post with the DH in 2016.

Ir CHAU Ka-ping

Engineer (Private Healthcare Facilities)²

Department of Health



Speaker's Profile

Ir KP CHAU is a profound Building Services Engineer. He has work experience in hospital design, installation, testing, commissioning, operation and maintenance.

His qualifications include: BSc, MSc (Operations Management), MHKIE, MIMechE, R.P.E.

Presentation Topic: Electrical installations for hospitals

Ir LEE Chi-Leung, Eric

Senior Engineer

Health Sector Division

Electrical and Mechanical Services Department



Speaker's Profile

Ir LEE joined the Electrical and Mechanical Services Department (EMSD) of the Government of the Hong Kong Special Administrative Region in year 1998 and has extensive working experience in a variety of different domains including operation, maintenance, and project services on E&M systems in the airport and government buildings. Ir LEE also worked in the Electricity Legislation Division of the EMSD responsible for the enforcement of the Electricity Ordinance (Cap. 406) and its subsidiary legislations.

Ir LEE is currently working as Senior Electrical and Mechanical Engineer in the Health Sector Division of EMSD providing comprehensive engineering services for the electrical, mechanical, air-conditioning and building services (EMABS) systems and biomedical and general electronics systems for hospitals and clinics in the Kowloon East Cluster of the Hospital Authority, as well as venues of the Department of Health and the Government Laboratory.

Presentation Topic: Specialized ventilation systems for hospitals

Ir AU Ping Sun Fred

Assistant General Manager
MGI (Far East) Ltd.



Speaker's Profile

Ir Fred Au is currently the Assistant General Manager of MGI (Far East) Ltd. He is primarily responsible for project operation, management and business development.

Ir Au has over 35 years of working experience in project management of building services installations and operation & maintenance of engineering plants including healthcare facilities. His key roles include design, tendering, project administration, planning, control and management of electrical & mechanical projects and he has substantial professional experience in both the commercial sector and the Government.

Education & Professional Qualifications

- ✧ BSc (Eng) Mechanical Engineering, University of Hong Kong
- ✧ FCIBSE Fellow Member of the Chartered Institution of Building Services Engineers
- ✧ FHKIE Fellow Member of the Hong Kong Institution of Engineers
- ✧ FIHEEM Fellow Member of the Institution of Healthcare Engineering and Estate Management
- ✧ Chartered Engineer UK
- ✧ R.P.E. Registered Professional Engineer
- ✧ Chairman of the Building Services Division of HKIE (2006-07)
- ✧ Honorary Secretary of the Building Services Division of HKIE (2001-05)

Presentation Topic: Experimental study on specialized ventilation system of airborne infection isolation room

Dr. Benny CHOW

Director of Sustainability at Aedas



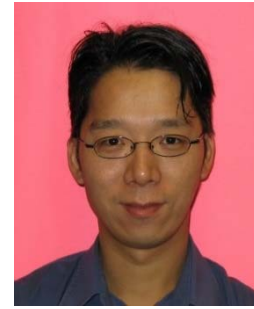
Speaker's Profile

Dr. Benny Chow is the Director of Sustainability at Aedas, focusing on the sustainable building design, building physics, Green-BIM and healthy building studies. Dr. Chow is the co-chairman of the Sustainability Committee of ASHRAE Hong Kong Chapter. Dr. Chow was appointed as an Honorary Associate Professor in the HKU Department of Mechanical Engineering, the Adjunct Associate Professor of the CUHK Institute of the Earth and Space Information Science, and is currently the Adjunct Assistant Professor of the Faculty of Medicine at CUHK focusing on the health-related built environment research. Dr. Chow has an extensive research experience in medical science, focusing on the investigation of the nosocomial infection in the isolation ward and operation theatre. The research findings have been published in medical journals including HKMJ, CHEST, AJRCCM, ERJ, and Nature Scientific Reports.

Presentation Topic: Introduction to medical gas pipeline systems

Ir Darren CHEUNG

Business Manager
Hospital Care Services
Linde HKO Ltd.



Speaker's Profile

Ir. Darren Cheung graduated from the University of Technology, Sydney with Bachelor of Engineering (Mech) and Master in Engineering Management. His Postnominals include FIHEEM, FIEAust, MHKIE, CEng, CPEng, R.P.E.(Mech), IntPE(Aust), APEC Engineer.

Ir. Cheung joined Linde HKO Ltd. (former Hong Kong Oxygen & Acetylene Co. Ltd.) in 1994 as Engineer. He was assigned to lead the Kowloon Region team to execute the project "Survey, Study and Assessment for Medical Gases Pipeline System in Public Hospitals". Upon completion of this projects, he was assigned to manage the upgrading and maintenance projects for Kowloon Region. He is now the Business Manager, Hospital Care Services of Linde HKO Ltd.

Ir. Cheung was approved by the HKFSD as a Competent Person for Pressure Testing, Examination and Certification of Gas Cylinders and Pipeline System under Dangerous Goods Ordinance, Cap.295 in 2007

In 2009, Ir. Cheung obtained the Trainers' qualification for delivering Authorized Persons (MGPS) Course under the BTEC Accreditation Scheme from the UK.