

Organizers:



Department of Building Services Engineering  
The Hong Kong Polytechnic University

**Joint Technical Seminar**  
**on**  
**Lightning Stroke to Buildings - Its Effects, Observations and Protections**



Date: 4 March 2015 (Wednesday)

Time: 6:30pm for 7:00 – 9:00pm

Venue: Z504, PolyU

**Programme Highlight**

This seminar is a joint activity among HKIE-BSD, CIBSE HK Branch, ASHRAE-HKC and HKPolyU. With the rapid increase in the number of high-rise buildings and the usage of intelligent facilities in buildings, the risk and consequence of buildings being stroke by lightning are getting more and more attentions. This presentation will be the results of all known previous and current studies of lightning striking to buildings. It will include the optically observed various lightning discharges, lightning-produced disasters, their electromagnetic effects observed and simulated, and lightning protection techniques. Proposed interpretations to the lightning developing process and the lightning protection principle will be also discussed.

**About the speaker**

Dr. Chen received his Bachelor of Science in theoretical physics from Lanzhou University in 1985, Master of Science in atmospheric physics from the Chinese Academy of Sciences (CAS) in 1988, and PhD in electrical & electronic information systems from Gifu University in Japan in 2000. He embarked on his research career at Lanzhou Institute of Plateau Atmospheric Physics of CAS firstly as Research Assistant in 1988, then Research Associate, Associate Professor and Professor in 1990, 1993 and 1996 respectively. In the late of 1996, he moved to Gifu University in Japan as a Senior Visiting Scientist. Dr. Chen finally joined The Hong Kong Polytechnic University (PolyU) in the spring of 2002 firstly as a Research Fellow, then Lecturer, Assistant Professor and Associate Professor in 2002, 2005 and 2010 respectively, until now.

Dr. Chen is specialized in Lightning Physics, Lightning Detection and Protection

Dr. Chen is very committed to both the research and tertiary education. He has been engaged in

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more than 40 research projects funded by CAS, NSFC, RGC, and PolyU etc., and has published more than 50 referred journal papers and numerous papers has been presented at various national and international conferences. He is the recipient of more than 13 academic awards granted by CAS, Headquarter of People's Liberation Army of China, and Chinese Meteorology Bureau etc. He is now in charge of teachings of Electrical Technology, Power & Machines, and Power Distributions for the department.

### **Registration & Enquiry**

Please register ONLINE via the website of CIBSE Hong Kong Branch – <http://www.cibse.org.hk>  
The Joint Technical seminar is free of charge. Vacancy will be accepted on a first-come-first-served basis and distributed evenly among the institutions as far as possible. The maximum number of participants is 70. The deadline of application is 25 February 2015. Successful applicants will be notified by email or phone, and the successful applicant list will be posted on the institution website [www.CIBSE.org.hk](http://www.CIBSE.org.hk). For enquiry, please contact MY Chan at Tel. 27665836