



ASHRAE
Hong Kong Chapter



The Hong Kong Institution of Engineers
Building Services Division



CIBSE Hong Kong Branch

CIBSE (HKB) / HKIE (BSD) / ASHRAE (HKC) Joint Function

Technical Talk on
“Design Process Model for Building Services Engineering Systems in
Quality Buildings”

- Date** : 4 December 2006 (Monday)
Venue : Hong Kong Polytechnic University, Hung Hom, Kowloon
(Room number will be confirmed during the posting of the successful applicants list)
Time : 6:30pm for 7:00pm to 9:00pm
Fee : Free of charge
CPD : CPD Certificate will be available.

Co-Speakers

Professor Daniel W.T. Chan - Before joining the Department of Building Services Engineering in Hong Kong Polytechnic University in 1987, Professor Chan worked through his career as manufacturer, sales executive and consultant in building services engineering. His experience has then promptly adapted into the teaching of undergraduates and higher degree students of the Department. In 2005, he was assigned a task to align the core subject, Design Project, of all the undergraduate programmes in building services engineering. He developed a design process model to make the design process and assessment more structural and systematic. He set up a web-site to facilitate the design work of the students. The object oriented outcome of the subject has been highly appraised by the Department's Academic Advisor and the Department's mentors. The approach can also be readily adopted in the design process of building services systems in real buildings.

Dr. T.Y. Chao -Dr. Chao obtained his Ph.D. in the Department of Mathematics and Statistics of the Brunel University. Before he joined the Department of Building Services Engineering in 1999, he had been teaching mathematics and developing teaching packages for schools and universities since 1984. He is an veteran in developing animated teaching packages in mathematics. In 2005, he worked together with Professor Daniel W.T. Chan in the development of a web-site for design project in building services engineering.

Programme Highlights

Synchronized with the economic growth, cities are becoming more and more compact. Building going high is inevitable and is very effective in accommodating people and developing city infra-structure. Building services engineering system design becomes more and more challenging. Teaching institutions have to catch up the demand of not only the technology, but skill and dexterity in design.



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Design Project is a core subject in the Department of Building Service Engineering. The Project is very demanding on training students for design proficiency. Experience shows that students are prone to stray away from the basic objectives of the project. In order to give the students a more interesting study environment and constructive guidance, a design process model is developed to give the students a structural approach. A web-site is developed which is featured by links to all local legal web-sites and libraries, lists of over 600 references, design procedures, sample calculations; and over 200 photographs showing the form, installation details and space requirements of equipment, devices and distribution systems.

This talk introduces the design process model which is useful for engineers doing building services engineering systems design. The talk also demonstrates the usefulness of the web-site in supporting design work.

Registration

- Please register ONLINE via the website of CIBSE Hong Kong Branch – www.cibse.org.hk
(Note: All members have to fill in the membership number for verification. The organizers reserve the right to decline their application if no membership no. is submitted.)
- The maximum number of participants is 100. Applications will be accepted on a first-come-first-served basis.
- The deadline of application is 28 November 2006.
- Successful members will be notified by e-mail or phone, and their names will be posted on the institutions' websites- www.hkiebsd.org, www.ashrae.org.hk and www.cibse.org.hk after 30 November 2006.

Enquiry

For enquiry, please contact Ir Tim Cheng (for ASHRAE members) at 2963 6261 and Ir Frankie Chan (for HKIE BSD members) at 2270 2928 and Ir Herbert Lam (for CIBSE members) at 6508 1342.