





**ASHRAE** 美國供暖製冷及空調工程師學會  
**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND  
 AIR-CONDITIONING ENGINEERS, INC. - Hong Kong Chapter**

P.O. Box 35612, King's Road Post Office, North Point, Hong Kong <http://www.ashrae.org.hk>

 **Technical Seminar on  
 The Use of Evaporative Condensing in Water  
 Cooled Chiller System Design** 

- Date:** 25th October 2007
- Time / Duration:** 7:00pm for 7:15pm - 8:30pm
- Venue:** Lecture Theatre N001, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong.
- Honourable Speaker:** Dr. D. S. Zhu  
 Professor of South China University of Technology  
 Mr. Zhu is specialized in the field of heat transfer. He announced more than 30 articles about the evaporative condensing technology, high efficiency heat pump. He also involved more than 50 patent design in heat transfer.
- Program Highlight:** **The Use of Evaporative Condensing in Water Cooled Chiller System Design**
- There is an increasing trend in Hong Kong market to renovate the existing air cooled chiller to water cooled chiller. By using the water cooled chiller, it can reduce the consumed power for about 30% comparing to the air cooled chiller system. However, there are some limitations during the design of the water cooled system such as plant room space, weather proof of water cooled chiller, structure load calculation, water treatment, hygiene etc
- An innovative evaporative condensing in water cooled chiller system design can solved most of the problems. The seminar will introduce the most advanced evaporative condensing water cooled chiller design. It focuses on the advantages comparing to the air cooled system and traditional water cooled chiller and cooling tower.
- The evaporating condensation technology is used in evaporating-cooled machines. Since the condenser is directly installed in the cooling tower, the temperature of cooling water can be closed to the wet bulb temperature, the water recycling system with large power is saved and the cooling system can be assembled in a machine. This overcomes the shortcomings of low cooling efficiency in traditional air-cooled machines and need of water recycling system for water-cooled machines. It combines the advantages of high cooling efficiency from water-cooled machines and no need of water recycling system from air cooled machines.
- Language:** Putonghua
- Fee:** Free of charge
- Co-organizing University : Application:** Hong Kong Polytechnic University , Prior to register for Full time and Part time students of PolyU Open to ASHRAE members, HVAC Engineers or other professions interested in this topic etc. Please complete and return the below application form by e-mail or by fax before 22 October 2007. Number of participants is limited to 80. Quota will be allocated on first-come-first-served basis. Successful applicants will be informed individually by e-mail. Applicants who do not receive a reply before 24 October 2007 may assume their application unsuccessful.

**Application Form - Technical Seminar on The Use of Evaporative Condensing in Water Cooled Chiller System Design**

Name (Dr/Mr/Ms) : \_\_\_\_\_

Membership Class : \_\_\_\_\_ No.: \_\_\_\_\_ (ASHRAE)

Company Name : \_\_\_\_\_

Contact Address : \_\_\_\_\_

E-mail Address : **(Must be provided)** \_\_\_\_\_

Contact Numbers : (Tel) \_\_\_\_\_ (Fax) \_\_\_\_\_

**For any inquiries, please contact: Mr. Kenny Lee (3428 5140 / [kenny.lee@royalbest.com.hk](mailto:kenny.lee@royalbest.com.hk))**

***Please e-mail this form to: / [kenny.lee@royalbest.com.hk](mailto:kenny.lee@royalbest.com.hk) or fax to 2304 7066***

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