



**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

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Technical Seminar on  
Updated Technology of Plume Abatement  
and Closed Circuit Cooling Tower



- Date:** 26 October 2006
- Time / Duration:** 7:00pm for 7:15pm - 8:30pm
- Venue:** Room PQ 306, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong.
- Honorable Speaker:** S.H.Kim, Vice President of Supraflux (China) Co., Ltd.  
William Fung, Product Engineer of Supraflux (China) Co., Ltd.  
Mr. Kim has been involving in the development and study for plume abatement and closed circuit cooling tower with more than 10 years. Mr. Kim and Mr. Fung has participated in performing Cooling Technology Institute Test (CTI-STD-201) for 3 cooling tower manufacturers in Korea and China.
- Program Highlight:** This seminar will introduce the principles and application of the plume abatement technology and closed circuit cooling tower.
- Plume abatement solutions**  
Plume discharged from cooling tower will cause visual disturbance to the neighborhood. Serious plume will make a confusion of fire to the neighborhood. This seminar will study the cause of plume from cooling tower and several methods to abate and reduce its visual disturbance.
- Principle and method to abate plume
    - Control L/G ratio
    - Adopting chemical powder
    - Dry-wet type plume abatement cooling towers
    - Heating coil type plume abatement cooling towers.
- Closed circuit cooling tower**  
Water quality is another main concern with open circuit cooling tower. The condensing water exposed to air will carry pollutants and dust into the condenser and cause condenser fouling effect, hence increase the energy consumption of the chilled water plant. Make-up water consumption and plume are also the side effect of the open circuit cooling towers. This seminar will study the cost saving between closed and open circuit in terms of energy consumption, make-up water consumption, and maintenance cost.
- Principle of closed circuit cooling tower
  - Cost saving analysis between closed and open circuit
- This seminar will be conducted in English with Cantonese supplement. Seminar literature will be in English.
- Fee:** Free of charge
- Application:** 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 12 October 2006. 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 19 October 2006 may assume their application unsuccessful.

**Application Form - Technical Seminar on Updated Technology of Plume Abatement and Closed Circuit Cooling Tower**

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: Ms. Tracy Pang (22683615 / [tracy.pang@arup.com](mailto:tracy.pang@arup.com))**

**Please e-mail this form to: [tracy.pang@arup.com](mailto:tracy.pang@arup.com) fax to 22683962**

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