



美國供暖製冷及空調工程師學會

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND
AIR-CONDITIONING ENGINEERS, INC.
THE HONG KONG INSTITUTE OF VOCATIONAL EDUCATION
ASHRAE STUDENT BRANCH

IVE Morrison Hill Campus, 6 Oi Kwan Road, Wan Chai, Hong Kong

ASHRAE IVE Student Branch 2006-2007

First Technical Talk

Date: 4-12-2006

Time: 5:30 pm to 7:30 pm

Venue: LT33, IVE(MH)

Topic: Cooling Towers: Fundamentals, Selection and Maintenance Concern

**Speaker: Mr. Tony T.H. Wong, Manager - E & M Equipment, Air-conditioning
Systems, of The Jardine Engineering Corporation Ltd.**

Synopsis

Cooling tower History in Hong Kong

Cooling Tower Fundamentals

- cooling tower basics
- type of towers
- factor affecting cooling tower performance
- water qualities

Cooling Tower Component

- fans
- gear reducers
- fills
- drifts eliminator
- louvers
- access and safety consideration

Cooling Towers Selection

- basic criteria
- location consideration
- plume abatement

Maintenance Concern