



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>



**Distinguished Lecturer Series –
Chilled Beams For Low Energy Cooling In
Sustainable Buildings**



Date:

6th April 2011

Time / Duration:

6:45pm for 7:00pm - 9:00pm

Venue:

Lecture Theatre Y304, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong.

Honorable Distinguished
Lecturer:

Dr. DAVID ARNOLD, PH.D., FREng, C.ENG
Troup Bywaters + Anders
Reading, UK



David Arnold trained as a heating and ventilating engineer and qualified as a chartered engineer in 1970. He has been a Partner of Troup Bywaters & Anders consulting engineers since 1973. He is a past President of the Chartered Institution of Building Services Engineers (1994/95), a past Chairman of the National Engineering Specification, a Fellow of the Royal Academy of Engineering and, has completed two terms as a Director of the American Society of Heating, Refrigeration & Air Conditioning Engineers.

His experience includes the design, installation, commissioning and operation of engineering services both within buildings and the site distribution. His responsibilities have ranged from being intimately involved with the detail design, installation and commissioning to taking overall responsibility for all engineering services in major projects. Past projects include, refurbishment of the Foreign Office, the New Parliamentary Buildings and several other listed and historic buildings. He has also acted as advisor/expert on many major developments including, the IBM plant at Greenock, Stoke Mandeville and Derby Hospitals. He maintains his involvement in the design of new projects and is currently involved in the preparation of design guides with the CIBSE and BSRIA.

Program Highlight:

There has been a significant growth of interest in the use of passive cooling in buildings, particularly in the use of chilled ceilings, including both beams and radiant panels. There are however concerns over some issues such as, self adaptive control, achieving sufficient cooling and the risk of condensation on cold surfaces and water dripping on to occupants or furnishings, especially when there is no control over the level of humidity for instance in naturally ventilated buildings. This presentation reports on practical experience gained from the design, installation, commissioning and 'running in' of chilled beam installations in several different buildings over a period of more than ten years. The presentation describes some of the problems that have been encountered and how they have been resolved.

Fee:

ASHRAE Members / PolyU Staff / Full-time Students : Free
HKIE / CIBSE Members : HKD\$ 200
Other Non-Members: HKD\$ 300

For non-ASHRAE member, please send your application and cheque to "Mr. Michael Sung – 7/F One Kowloon, 1 Wang Yuen Street, Kowloon Bay, Hong Kong" for formal registration. Cheque shall be payable to "ASHRAE Hong Kong Chapter".

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 before 25 March 2011. Seats are limited. Quota will be allocated on first-come-first-served basis. Un-successful applicants will be informed individually by e-mail. Applicants who do not receive a reply before 30 March 2011 may assume their application successful.

Application Form –Desiccant Technologies for Dehumidification & Cooling (*Cross if not appropriate)

Name (Dr/Mr/Ms) : _____
Membership Class : _____ No.: _____ (*ASHRAE/HKIE/CIBSE/Others)
Fees : *Free / HKD\$ 200 / HKD\$ 300 (receipt required : Yes / No)
Company Name : _____
Contact No. : _____
E-mail Address : (Must be provided) _____

For any inquiries, please contact: Mr. Michael Sung at 2963 7786 or Dr. S L Wong at 2784 4312

Please e-mail this form to: chapterprogram@gmail.com