



**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 –  
 Desiccant Technologies for Dehumidification  
 & Cooling**

Date:

30<sup>th</sup> November 2010

Time / Duration:

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

Venue:

Lecture Theatre Y302, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong.

Honorable Distinguished  
 Lecturer:

**PROF. SANJEEV JAIN, PH.D.**  
 Professor of Mechanical Engineering  
 Indian Institute of Technology, Delhi, India



Sanjeev Jain obtained his doctoral, Master's and Bachelor's degrees in Mechanical Engineering from IIT Delhi, India. He worked in industry for a few years before joining the faculty of Mechanical Engineering at IIT Delhi in 1996. He was a Visiting faculty at The University of Auckland during July 2005- June 2006. He is the present chairman of Bureau of Indian Standards - Refrigeration and Air-Conditioning Committee. He is the member of the editorial board of I Mech E Journal of Process Mechanical Engineering.

Prof. Jain is a consultant and adviser to several industries. He has published and reviewed several research articles in international journals of repute such as HVAC&R Research, ASHRAE Transactions and International Journal of refrigeration. He is a co-editor of several international and national conference proceedings. He is a recipient of the AICTE career award. His current research interests include solar cooling and cogeneration, decentralized energy systems, cascade refrigeration, desiccant cooling, natural refrigerants and heat exchangers.

Program Highlight:

Dehumidification is the removal of water vapor from air. For air-conditioning applications, the desiccant dehumidifiers can be coupled with other air handling equipments in standalone mode and/ or systems in hybrid mode to get the desired space humidity and temperatures. The presentation will cover the basic concepts, methodologies and equipments used in desiccant technology. The prospects and challenges in the development of desiccant technologies will also be highlighted.

Experience sharing of real cases in Hong Kong by local desiccant product provider will also be included in this technical talk.

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 November 2010. 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 27 November 2010 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 is available upon request)  
 Company Name : \_\_\_\_\_  
 Contact No. : \_\_\_\_\_  
 E-mail Address : (Must be provided)\_\_\_\_\_

**For any inquiries, please contact: Patrick Huang at 6077 2053 or Mr. Michael Sung at 2963 7786**

**Please e-mail this form to: [chapterprogram@gmail.com](mailto:chapterprogram@gmail.com)**