

## Technical Workshop

**Title:** **Green Roof Systems**

**Date/Time:** 20 and 22 March 2012 (Tue, Thu), 6:30-9:30 pm

**Venue:** Room Y304, The Hong Kong Polytechnic University, Hung Hom, Kowloon

**Description:** **What You Will Learn**

You will develop an understanding of green roof systems, their potential benefits, contribution to green building rating, design standards and guidelines. You will also learn the planning considerations, green roof components, design trends, case studies, and maintenance issues.

After completing the workshop, you should know:

- Major types and key components of green roofs
- Their potential benefits, planning factors and design trends
- Related standards and guidelines of green roof systems
- Maintenance and warranty issues

### Course Contents

Day 1:

- Introduction and Recent Development
- Benefits and Green Building Rating
- Standards and Guidelines

Day 2:

- Roofing and Green Roof Systems
- Design and Case Studies
- Maintenance and Warranty



### Who Should Attend

This workshop is recommended for:

- design professionals: engineers, architects, landscape architects and planners;
- building professionals: developers, facility managers and contractors;
- other professionals who want to enhance their knowledge on green roof systems.

Lecture notes and study information will be provided. Attendance/CPD certificate will be issued to the participants at the end of the workshop. Light refreshments will also be provided. HKGBC endorsed this workshop as "General CPD Events with 6-hours in total" for BEAM Pro.

**Speakers:** **Dr. Karen K. Y. Liu**



Dr. Liu is the Director, Research and Development (North America) for Xero Flor International, a leading green roof company in Germany. Karen has been conducting green roof research since 2000 when she was a research officer at the National Research Council's (NRC) Institute for Research in Construction in Canada. She has established the first North American field facility dedicated to green roof research and conducted several field studies across Canada to examine the climate sensitivity of green roof technology. In 2006, Karen joined British Columbia Institute of Technology and led the research in optimizing performance of green roofs for the west coast climates. Karen obtained her Ph.D. from the Department of Chemical Engineering and Applied Chemistry at the University of Toronto.

**Speakers:**

**Dr. Sam C. M. Hui**

*PhD, BEng(Hons), CEng, CEM, MCIBSE, MHKIE, MASHRAE, MIESNA, LifeMAEE, Assoc AIA*



Dr. Hui is a Teaching Consultant and an Honorary Assistant Professor of the Department of Mechanical Engineering, The University of Hong Kong. He has a strong technical background in the study of energy efficiency in buildings and has carried out teaching, research and consultancy studies in Hong Kong, Mainland China, Germany, Japan, USA and Thailand. He has published more than 70 technical articles in academic/professional journals and conferences and is active in promoting sustainable building technology. He was the past President of the ASHRAE Hong Kong Chapter. In recent years, Dr. Hui has developed research studies and technical information on green roof systems ([www.hku.hk/bse/greenroof/](http://www.hku.hk/bse/greenroof/)).

**Language:**

English (supplemented with Cantonese)

**Application:**

Open to all interested persons. Please complete and return the application form by e-mail/post and send the crossed cheque via post before **12 March 2012**. Number of participants is limited. Places will be allocated on a first-come-first-served basis. Successful applicants will be informed individually by e-mail / phone.

**Supporting**

**Organisations:**

CIBSE Hong Kong Branch, HKIE Building Services Division, Hong Kong Green Building Council (for BEAM Pro), Hong Kong Institute of Landscape Architects, Hong Kong Institute of Architects (to be confirmed)

**Application Form: ASHRAE Technical Workshop: Green Roof Systems**

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

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

Supporting Organisation : Name: \_\_\_\_\_ Membership No.: \_\_\_\_\_

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

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

E-mail Address : (Required) \_\_\_\_\_

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

[\* Course fee includes refreshments and printed lecture notes.]

Course Fee (Member of ASHRAE) - \$1,000 x \_\_\_\_\_ person (cheque no.: \_\_\_\_\_)

Course Fee (Supporting organisations) - \$1,200 x \_\_\_\_\_ person (cheque no.: \_\_\_\_\_)

Course Fee (Non-Member) - \$1,400 x \_\_\_\_\_ person (cheque no.: \_\_\_\_\_)

Enquiries: For inquiries, please contact us at email [info@ashrae.org.hk](mailto:info@ashrae.org.hk)

Registration: The application form and crossed cheque with appropriate payment in Hong Kong dollars payable to "ASHRAE Hong Kong Chapter" shall be sent to **P.O. Box 35612, King's Road Post Office, North Point, Hong Kong**, before **12 March 2012**. The applicant may e-mail the above information to [apply@ashrae.org.hk](mailto:apply@ashrae.org.hk) for place reservation and then followed by cheque payment via mail.