



ASHRAE 美國供暖製冷及空調工程師學會 香港分會

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

www.ashrae.org.hk



Technical Seminar: **What is an Energy Efficient Building? Are We Creating Unreasonable Expectations?**

20 April 2009 (Mon), 6:30 pm for 7:00pm - 8:30pm

Room Y305, the Hong Kong Polytechnic University, Hung Hom, Kowloon

Mr. Lawrence G. Spielvogel, Eur Ing Int PE, PE, CEng, FASHRAE, FCIBSE, FSLL

Date and Time:

Venue:

Speaker:



Mr. Spielvogel is a Consulting Engineer in King of Prussia, Pennsylvania, a suburb of Philadelphia. He holds a B.S. in Mechanical Engineering from Drexel University and is a Registered Professional Engineer in 49 States. He is also a Chartered Engineer in England, a European Engineer in all 27 Common Market Countries, an International Professional Engineer in 11 other countries, a Certified Plant Engineer, and has lectured and written extensively. He is a Fellow of ASHRAE, an ASHRAE Distinguished Lecturer, and a winner of its Distinguished Service Award. He chaired the ANSI/ASHRAE/IESNA Standard 90.1 Project Committee from 1999 to 2002, which serves as the basis for most building energy codes and is the energy benchmark for Federal tax legislation, the US Green Building Council LEED® Program, and most other green building programs. He formerly served on and chaired the ASHRAE Advocacy Committee.

He is also a Fellow of CIBSE (Chartered Institution of Building Services Engineers) (England), a Fellow of the SLL (Society of Light and Lighting) (England), a Member of IESNA (Illuminating Engineering Society of North America), ASPE (American Society of Plumbing Engineers), NFPA (National Fire Protection Association), ICC (International Code Council), and many other Technical Societies. From 2001 to 2006, Mr. Spielvogel served on the U. S. National Academy of Sciences and ASHRAE committees that studied threats from terrorism and recommended methods of dealing with them, and chaired the ASHRAE Committee on Homeland Security from 2003 to 2006. His practice is limited to consulting on energy management, procurement, and problem solving in buildings, and he has been a consultant on many major buildings around the country and the world.

Abstract:

How do energy efficient, green, high-performance, and sustainable new buildings actually perform compared with otherwise similar new buildings? Compared with older existing buildings? How do we know? Why don't published articles on these buildings include measured energy performance data? What are the consequences when the expected or predicted performance is not achieved? What standard of care is or will be required? What implied liability is faced if performance expectations are not met, even despite changes? What is the potential liability for compromised comfort, long-term efficiency, or maintenance? Does ASHRAE Standard 90.1 or building code envelope compliance shift that burden to engineers? If our energy analyses, estimates, and predictions are so good, why do utility companies still require meters? What does it take to make a high performance building perform?

Venue Support:

Department of Building Services Engineering, The Hong Kong Polytechnic University

Reservation:

This seminar is open free of charge to all interested persons, but priority will be given to ASHRAE members. Seats are allocated on a first-come-first-serve basis. To reserve a seat, please send your information to us through email (apply@ashrae.org.hk) before **14 April 2009**.

- Name of applicant(s)
- Company name
- Contact info. (email, telephone, fax)
- ASHRAE Membership class and number (if any)

Successful applicants will be informed individually by e-mail / phone.

Enquiry:

Please contact us at email "info@ashrae.org.hk".

Attendance:

Attendance certificate will be provided to participants.