



A Leader in Education  
and Research on the  
Built Environment

BCA ACADEMY  
of the built environment

Half-day Seminar on

# HVAC Systems for Airborne Infection Control Spaces in Healthcare Facilities

## SEMINAR CONTENTS

This seminar aims to share the US guidelines and standards for Healthcare Facilities Design. Typical environment-controlled spaces in healthcare facilities such as operating theatres, infection isolation rooms, protective environment and critical-care rooms will be presented.

It further discusses architectural considerations, temperature and humidity controls, ventilation requirements, air-handling systems, flow diagrams, pressurization, filtrations and UV treatment, as well as water-borne microbial contamination control, etc. Design samples will be included.

## SEMINAR DETAILS

**Date:** 11 Nov 2009

**Time:** 9am to 12.30pm

**Venue:** BCA Academy, Auditorium  
200 Braddell Road S(579700)

**Fees:** Free (ASC member)  
(with GST) \$50/pax (public)

*(Fee includes course materials & refreshments. Carpark is free on a first-come, first-served basis)*

## ACCREDITATION

PEB - pending

## SPEAKER

### WEI SUN, P.E

Principal, Director of Engineering,  
Engsysco, Inc.  
Ann Arbor, Michigan



Mr. Sun is the Chairman of ASHRAE Technical Committee TC9.11 (Clean Spaces), where he served as the Principal Author of the ASHRAE Handbook "Clean Spaces" 2007 Edition. He is a member of ASHRAE Technical Committee TC9.10 (Laboratory Systems) and TC9.6 (Healthcare Facilities). He is also a member of IEST, ASHE and NFPA organizations. In other leadership roles, he serves as a CTC Regional Vice Chair for ASHRAE Region V (Ohio, Indiana and Michigan), and the President-Elect of ASHRAE Detroit Chapter.

Mr. Sun has been working in the US as a design and consulting engineer for 18 years in building mechanical systems design, HVAC&R consulting and research. He is a registered Professional Engineer in 12 states of the United States.

Mr. Sun has been invited to provide numerous technical speeches and training seminars in national and international conferences and for private industries as well. He has been serving as the "USA HVAC&R Advisor" for Japan Air Conditioning, Heating & Refrigeration News (JARN) magazine since 2004. He also serves as a "USA Consultant" for the Ministry of Health of Malaysia for their standardization effort for cleanroom and laboratory applications in healthcare facilities. Mr. Sun was the recipient of ASHRAE Dan Mills Award in 2006.

Jointly organised by:

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ASHRAE  
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**REGISTRATION FORM**

**HVAC Systems for Airborne Infection Control Spaces in Healthcare Facilities**

**Please contact the following personnel for clarification:**

On program and registration matters: **Dr. Uma** [Email: [register@ashrae.org.sg](mailto:register@ashrae.org.sg) ]

**Registration Details**

Name for Registration: \_\_\_\_\_

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

ASC Membership No. : \_\_\_\_\_

PE Reg. No. (for PDU) : \_\_\_\_\_

Please complete the following in full

Organization: \_\_\_\_\_

Designation: \_\_\_\_\_

Address: \_\_\_\_\_ Postal Code : \_\_\_\_\_

Telephone/Mobile No.: \_\_\_\_\_

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Email: \_\_\_\_\_

Signature: \_\_\_\_\_ Date : \_\_\_\_\_

If you are an invited guest, please state whether you are invited by BCA or ASHRAE:

Invited Guest of: \_\_\_\_\_