

Seminar Information

Date : 24 November 2009 (Tuesday)
Time : 1.30pm to 5.15pm
Venue : SPRING Auditorium, Level 3
2 Bukit Merah Central
Singapore 159835

Fee per pax (inclusive of GST): S\$76
Fee includes a copy of SS 553 and SS 554 and light refreshments.

Closing Date: 20 November 2009

Enquiries:

Ms Michelle Kwok, EPI (Event Executive) Tel: 6273 3839
E-mail: michelle@eventspeople.com

How to Register

- 1) You may register online at <http://www.standardseminars.com/aircon>
- 2) Fax the completed form below to: 6273 2582 OR Post it to:

SPRING Standard Seminars
C/O Events People Pte Ltd
19 Jalan Kilang Barat
#04-02, AceTech Centre
Singapore 159361

Payment Information

All cheques should be crossed and made payable to "SPRING Singapore". No invoice will be issued. A tax receipt will be issued upon clearance of cheque if payment is by cheque.

Registration is on a first-come, first-served basis and will be confirmed upon receipt of full payment. For fax registrations, please ensure that your cheque reaches us within 5 working days. No refund will be made for any cancellation but replacements are welcomed. The Organiser reserves the right to postpone or cancel the seminar due to unforeseen circumstances.

Registration Form

Dr / Mr / Ms Mrs: _____

Designation: _____

Organisation (in full): _____

Address: _____

Tel: _____ Fax: _____ Email: _____

Bank _____ Cheque No.: _____ Amount: _____

Licence Number : _____ Professional Engineer / Architect (Please delete accordingly)

For Official Use : Acknowledgement of cheque amount S\$

SPRING Singapore
2 Bukit Merah Central Singapore 159835
Tel: +65 6278 6666 Fax: +65 6278 6667
Website: www.spring.gov.sg



Seminar on Singapore Standards for Air Conditioning, Mechanical Ventilation and Indoor Air Quality

Revised SS 553 : 2009 Code of Practice for Air-conditioning and Mechanical Ventilation in Buildings (formerly CP 13)

New SS 554 : 2009 Code of Practice for Indoor Air Quality for Air-Conditioned Buildings

Date: 24 November 2009 (Tuesday)

Time: 1.30pm to 5.15pm

Venue: SPRING Auditorium, Level 3

2 Bukit Merah Central

Singapore 159835

The seminar is accredited by the Professional Engineers Board (3 PDU points) - Pending and BCA-SIA CPD Programme (3 CPD points) - Pending

Supported by:



ASHRAE SINGAPORE CHAPTER



Enabling Enterprise

Introduction

Air-conditioning and mechanical ventilation accounts for more than 60% of the energy consumption in most buildings. In line with the national plans to reduce carbon emissions, the Building and Construction Authority (BCA) will adopt the SS 553 and SS 554 as part of the Green Mark assessment criteria. By reducing energy demand of the building sector, it contributes substantially to Singapore's efforts for sustainable development.

The revised SS 553 provides guidance in the design, construction, installation, testing, commissioning, operation and maintenance of air-conditioning and mechanical ventilation (ACMV) systems in all commercial, office and institutional buildings except hospitals. The Code establishes the minimum requirements to achieve an acceptable indoor thermal environment in an energy efficient manner.

The revised SS 553 aligns the guidance on energy efficiency and energy recovery requirements with national and international standards, through which, it enhances the performance of the ACMV system. New maintenance requirements for ACMV systems are also incorporated.

The new SS 554 specifies indoor air quality that may be acceptable to building occupants and minimises the potential of adverse health effects. Environmental factors, which include thermal, physical, chemical and biological factors, are taken into consideration. The SS 554 applies to all air-conditioned premises, such as office buildings and shopping malls, with the exception of residential premises, factory production areas, hospitals, polyclinics and laboratories.

Who Should Attend

- Architects, Mechanical & Electrical (M&E) engineers, consultants, contractors
- Equipment manufacturers/suppliers
- Relevant authorities
- Facilities managers
- Building owners/developers

What You Will Learn

- Overview of the SS 553 and SS 554
- Highlights of the amendments to the former CP 13
- Understanding the correlation between SS 553 and SS 554
- How SS 553 and SS 554 are being used as part of the Green Mark assessment criteria

Programme

1.30 pm	Registration
2.00 pm	Welcome Address <i>Mr Teo Nam Kuan, Group Director, Quality and Standards SPRING Singapore</i>
2.05pm	Highlights of the National Building and Construction Standards Committee <i>Er. Lee Chuan Seng, Deputy Chairman of the Building and Construction Standards Committee</i>
2.10pm	Overview of SS 553 <i>A/P Wong Yew Wah, Convenor of SS 553 Working Group and Associate Professor of Nanyang Technological University</i>
2.30pm	Highlights of Revised Ventilation Rates in SS 553 <i>Dr Bong Tet Yin, Member of SS 553 Working Group</i>
2.45pm	Maintenance of Air-conditioning and Mechanical Ventilation Systems <i>Dr Ng Eng Hong, Member of SS 553 Working Group and Past President and Chairman of Nominating Committee, American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc, Singapore Chapter</i>
3.00pm	Refreshments
3.30pm	Overview of SS 554 <i>Dr Chandra Sekhar, Co-Convenor of SS 554 Working Group and Associate Professor of National University of Singapore</i>
3.45pm	Occupational and Environmental Health Concerns <i>Mr Tan Kia Tang, Co-Convenor of SS 554 Working Group and Deputy Director, Health Risk Control Branch, Ministry of Manpower</i>
4.00pm	Evaluation Criteria of Indoor Air Quality <i>Ms Jennifer Yap, Member of SS 554 Working Group and Senior Research Officer, Environmental Health Institute, National Environment Agency</i>
4.15pm	How to Manage Indoor Air Quality through Air Filtration <i>Mr Thomas Chan, Member of SS 554 Working Group and Business Development Director of Micro Filtration Technology Pte Ltd</i>
4.30pm	Application of SS 553 and SS 554 in BCA Green Mark Assessment Criteria <i>Dr Gao Chun Ping, Senior Development Officer, Green Mark Department, Building and Construction Authority</i>
4.45pm	Panel Discussion <i>Moderator: Er. Lee Chuan Seng, Deputy Chairman, Building and Construction Standards Committee</i>
5.15 pm	End