

Registration Details

Registration Fee:

Members of ASHRAE/SP Staff : S\$110.00
Other participants : S\$130.00
Full Time Students : S\$60.00
SP Full Time Students (No lunch) : S\$10.00
Full Time Students (No lunch) : S\$20.00

PDU (Professional Engineers Board)

3 PDUs were awarded for the 11th seminar.
3 CE units for NEBB(USA) were awarded for the 11th seminar.

Further Information

Please contact Mr V.K Pawa
Tel: 6772-1567, Fax: 6772-1975
E-mail: vinod@sp.edu.sg

Payment (Cheque Only)

Fee will cover refreshments and a buffet lunch. Payment is requested with registration. All cheques should be made payable to " **ASHRAE Singapore Chapter** " and mailed with your registration form to"

Singapore Polytechnic
School of Mechanical and
Manufacturing Engineering
500 Dover Road
Singapore 139651

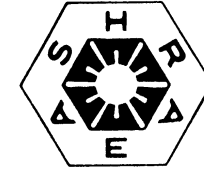
Attention: Mr V. K Pawa

Closing Date

5rd November 2008



Singapore Polytechnic



ASHRAE Singapore Chapter

REGISTRATION FORM

NAME: _____ NAME: _____

DESIGNATION: _____ DESIGNATION: _____

ORGANISATION: _____ ORGANISATION: _____

PEB No: _____ PEB No: _____

ADDRESS: _____ ADDRESS: _____

TEL No: _____ TEL No: _____

FAX No: _____ FAX No: _____

E-MAIL: _____ E-MAIL: _____

*Member of ASHRAE/SP staff (S\$110.00) : Membership No: _____

*Other participants (S\$130.00) :

*SP Full Time Students(S\$10.00 /S60.00)# : (With or without lunch)#

*Full Time Students (S\$20.00 /S60.00)# : (With or without lunch)#

(Student ID card required during registration) * Please as appropriate

Please circle as applicable

PAYMENT MODE: Cheque Only

Payable to " ASHRAE Singapore Chapter " AMOUNT: S\$ _____

Cheque No: _____ Bank: _____

12th SP Cleanroom Seminar: Latest in Particle Counter Calibration Standards, Cross Contamination and Static Charge Control

Date: 8th November 2008

Time: 9.00 am to 12.30 pm

Venue: The Shangri-La Hotel Singapore

Casuarina Ballroom

Orange Grove Road

Singapore 258350

Tel: 67373644

Programme

09:00 - 09:30	Registration and Morning Refreshments
09:30 - 09:40	Welcome Address Opening Address by Director of School of Mechanical and Manufacturing Engineering, Singapore Polytechnic
09:40 - 10:15	Paper 1 The latest in Calibration Standards for Particle Counters and Their Impact on Particle Counting. Mr Mark Godfrey Technical Applications Manager (Asia) Lighthouse Worldwide Solutions, USA
10:15 -10:50	Paper 2 Cross Contamination Between FABs Groups. Mr Yang Cheng Yu Manager L & K Engineering Co. Ltd (Taiwan)
10:50 - 11:10	Recess
11:10 -11:45	Paper 3 Cleanroom Zoning Philosophy for Cross Contamination Control in Secondary Pharmaceutical Manufacturing. Mr Sunil Chandiramani Engineering & SHE Director Merck Sharp & Dhome , Singapore
11:45 -12:20	Paper 4 Static Charge Control and Ionization in Clean Environments. Mr Inderjit Singh Director Cesstech (S) Pte Ltd, Singapore
12:20 -12:30	Question and Answer Session Presentation of tokens of appreciation
12:30	Lunch

About The Speakers

Mr Mark Godfrey has been in the Technology Industry since 1994. He started consulting as a software tester working for McAfee™, and Lotus™ among other companies.

Mark then Joined Lighthouse Worldwide Solutions and worked in the following areas over his first 5 years;

- Clean Room Monitoring System Building and Testing,
- Sales Engineering,
- Installation Project Leader, installing multiple Cleanroom Monitoring Systems around the world
- Mark has moved his way up to Technical Applications Manager/Global Strategic Account Manager - Liquids

Mr Yang Cheng Yu heads the R & D Department in L & K Engineering Company Ltd, Taiwan. Before joining L&K, he was involved directly with the development, design and manufacturing of HVAC equipment in another company spanning 5 years.

He joined L&K Engineering in 1998 and had assisted L&K in securing ISO9001 and has contributed significantly on the state of the art of cleanroom design and construction including design/fabrication of traditional RCA, fan tower and FFU systems.

Through much of his effort and dedication, L&K has developed it's own brand of high efficiency air washer, micro vibration measurement know how, integrated AMC control approach and application of computational fluid dynamics to simulate air flow pattern for identifying possible contamination sources.

Mr. Sunil Chandiramani has nearly 20 years of Industrial experiences with various MNC companies in the field of petrochemicals, pharmaceutical & medical devices manufacturing, such as Sumitomo Petrochemicals, Glaxo-Smithkline, General Electric (Plastics division), Becton Dickinson Medical & MERCK. He has worked in key functions like Validation, Process engineering, API Pharmaceutical Plant Commissioning & Medical Device Technology transfer, New Product Introduction & driving Continuous Improvements in manufacturing using Lean, & Six Sigma methodology.

He is also a certified Six Sigma Black Belt and is currently working in Pharmaceutical Industry as Director, Engineering & Lean Six Sigma responsible for leading Engineering & Operations Excellence (Lean six sigma strategy deployment) for a pharmaceutical manufacturing plant in Singapore .

Mr Inderjit Singh is presently a Director with Cesstech (S) Pte Ltd which deals with the sales & service of Cleanroom related instrumentation and provides third party cleanroom performance testing & certification .

Mr Singh has 19 years of experience in the field of contamination control and ESD and static charge control in Cleanrooms . His expertise and experience lie in the field of cleanroom performance testing & certification, performance of ESDC testing & audits and the sales, service and selection of ESD products like air ionizers inclusive of ESD testing of flooring / worksurfaces, tools and equipment etc within the Data Storage and Semiconductor industries.

Mr Singh has been actively involved in presenting papers jointly on Cleanroom Performance Testing / Certification and Air Ionization at related Contamination Control / ESD trade shows and end users within the Data Storage and Semiconductor industries . Additionally he has contributed and published several technical articles on ESD and Cleanroom Testing in the locally published Technology Digest journal.