

GAS, VAPOUR AND DUST EXPLOSIONS & ELECTROSTATIC HAZARDS

May 22 and 23, 2007

Venue: S'pore Polytechnic Graduates' Guild
1010 Dover Rd Gate 4
Singapore 139658

Fee: For the 2-day program: \$ 1500
For either 1-day program: \$ 850
For the Technical Talk cum dinner on 22 May 6-9pm.
Free for Members and 2 Nominees from each Corporate Member.
It is also free for **Attendees** for the training courses.

**** Member discount:** Members and Corporate Nominees will receive discounts of \$ 50 for the 2-day program and \$ 25 for the 1-day program.

Applications close on **May 7, 2007**

Note: We have applied to MOM to recognise these courses for the grant of SDU's.
In the first run in 2003, MOM approved 14 SDU's for the 2-day program.

Sign up now! Places are limited.

The instructor is Mr. Ian Pavey of Chilworth Technology.

Ian Pavey

M.Phil, C.Phys, M.Inst.P, A.M.I.Chem.E, graduated from Bath University, UK, with a BSc in Chemical Engineering. After acquiring some practical experience of electrostatic hazards while working as a process development engineer, he gained an M.Phil. in Applied Electrostatics, thereafter specialising in electrostatic applications, problems, and hazards. Ian worked for ICI for 11 years on projects involving electrostatic applications research and development. He is currently based in the UK and working as **Principal Electrostatics Specialist** in Chilworth Technology's Process Safety Consultancy. He has been with the company since 1991.

We are proud to present a re-run of these 2 courses. As a bonus the instructor, Mr Ian Pavey, is giving a technical talk on case studies relevant to the course subjects. **Attendees for this talk will be restricted to course participants and SLP members. So don't miss out on these valuable insights.**

These courses are designed so that they can be treated as two stand-alone one-day training courses or as a single two-day course.

Both training days will present information that is **vital for the safety of personnel** working in any industry in which flammable materials (gases, liquids and powders) are stored, transported, delivered, handled or processed. The examples include bulk chemical, dyestuff, fine chemical, food and drink, metal, petrochemical, petroleum, pharmaceutical, waste treatment and many others.

DAY 1: GAS, VAPOUR AND DUST EXPLOSIONS

- **Explosion Basics**

What are the basic features and parameters relating to explosions.

- **Flammability Characteristics**

Characterisation of flammable atmospheres, and interpretation of the results.

- **Prevention of Dust, Vapours and Gas Explosions**

Methods of avoiding explosions involving different types of flammable atmospheres.

- **Protection against Explosions**

What measures can be taken to mitigate the effects of an explosion if the worst does happen.

- **Opportunity for Questions and Discussion**

Some time will be available to answer any outstanding questions, or to discuss particular issues as a group or privately.

DAY 2: ELECTROSTATIC HAZARDS

- **Understanding Static Electricity**

An introduction to the fundamentals of static electricity will ensure that all delegates start with the same basic information.

- **Flammable Atmospheres**

This can be seen as a brief recap for those attending Day 1, or a short overview of flammable atmospheres for those only attending Day 2.

- **Electrostatic Hazards Assessment**

This session will provide a systematic technique for assessing whether or not an electrostatic hazards exists.

- **Measurements in Electrostatics**

An introduction to electrostatic measurements reveals some of the techniques employed how to interpret the results, and their limitations.

- **Control of Static Electricity**

Methods that can be used to minimise or eliminate electrostatic hazards will be presented.

- **Video**

A short video will help to pull the information presented during the day together.

HURRY! HURRY! Please contact Ms Penny Pan at our Secretariat for registration.

Secretariat, SLP Singapore

Mobile: +65 98930764

Email: secretariat@slp.org.sg

<http://www.slp.org.sg>