

REGISTRATION FORM

Name:
Company:
Address:

Post Code:
Tel: Fax:
E-mail:

Please register me for

Air Pollution Control Training Course – 13 June 2013

- £220 Non-member
 £180 Member of The Filtration Society
 £160 Students (a copy of your student registration card will be required)
 £35 Dictionary of Filtration and Separation

Please send information on:

- Individual or Student membership
 Corporate Association

Payment method

- Cheque enclosed for £.....
 Credit Card: Please charge my MasterCard – Visa

Security Code: _ _ _
(last 3 digits on reverse side of card)

Cardholder name:

Expiry date:

Signature:

- Please invoice

Please send this form **WITH PAYMENT** to:
**The Filtration Society, 6 McCarthy Close, Whitwick,
Leicestershire, LE67 5HN, UK.**

or fax it to The Filtration Society at
+44 (0)1530 469174

or email it to The Honorary Secretary at
steve.tarleton@ntlworld.com

*Cheques should be made payable to **The Filtration Society**. Charges include lunch and refreshments. An invoice will be issued on receipt of payment. The Society regrets that it cannot refund the registration fee if registrants cancel within 2 weeks of the date of the meeting. Prior to that a 20% cancellation fee will apply.*

ABOUT THE SOCIETY

The Filtration Society was formed in London in 1964. It is a charitable, non-profit organisation established to advance and disseminate knowledge on the design and use of filtration and separation techniques in industry, commerce and other walks of life.

The Society organises regular technical meetings that keep members up to date with advances in filtration and separation and their application and refreshes their knowledge of established technologies.

Membership of the Society is available at several grades including Student and Individual levels. Membership is open to interested individuals; most members work for manufacturers and users of filtration and separation technologies, or for universities and research organisations. Corporate Association is available to companies.

Membership has many benefits which, depending on the grade, include:

- Reduced registration fee at meetings
- Networking and sales opportunities
- Regular copies of the quarterly journal FILTRATION, the official journal of the Society
- A 12½% discount on 'The Dictionary of Filtration and Separation' from Filtration Solutions
- A 50% discount on 'Filtration & Separation'

The Society currently has members in about 30 countries around the world. It has an established Trust Fund which is used to recognise distinguished contributions to filtration and separation through the award of The Gold Medal and The Suttle Award.

Further details of Membership and Corporate Association can be found on Society website at:

www.filtsoc.org

Attendance at Filtration Society meetings is open to all - members, non-members, UK and non-UK delegates. All delegates will receive a comprehensive set of bound notes which have always proved to be a very popular and up to date reference source.



in association with Filtration Solutions

Air Pollution Control

Training Course

13 June 2013

**to be held at
The National Motorcycle
Museum, Birmingham, UK**

COURSE PROGRAMME – 13 JUNE 2013

The course is a comprehensive review of the processes involved in the separation of solid or liquid particles from gases, which will emphasise practical aspects and present appropriate theoretical information as necessary. It will draw upon the presenters experience of industrial applications and R&D. The emphasis will be on practical aspects with theoretical information presented only where needed to support understanding of the applications.

The course will be of interest to engineers, technicians, scientists, managers, and other personnel involved in gas-solid separation in the process and other industries. They will find the course informative, regardless of whether they design, purchase, research, or use dust separation equipment for product recovery, emission control, air cleaning or process gas cleaning.

- 9.30-9.45 **Introduction**
Particulate Matter (PM_x); Dust separation; Air cleaning; overview of the course.
- 9.45-10.30 **Evaluation of Dust Collection Equipment**
Particle size characterisation, concentration measurement, overall and fractional collection efficiency. Comparison of different dust collection techniques, fields of application, selection procedures.
- 10.30-11.15 **Centrifugal Collectors (Cyclones)**
Mode of operation, basic designs, application, collection efficiency, pressure drop.
- 11.15-11.40 Break and discussion period
- 11.40-12.25 **Fabric Filters (Surface Filters)**
Mode of operation, basic designs and their features, applications, operating characteristics, design calculations.
- 12.25-13.10 **Fibrous Filters (Deep-Bed Filters)**
Mode of operation, basic designs, application, collection efficiency, pressure drop.
- 13.10-13.50 Lunch
- 13.50-14.35 **Hot Gas Filtration**
Why do we need hot gas filtration? Filter media for hot gas filtration: metal, ceramic and mineral filters. Catalytic filters. Example applications.
- 14.35-15.20 **Electrostatic Precipitators**
Mode of operation, alternative designs and their principal features, design calculations, applications, operating characteristics.
- 15.20-15.45 Break and discussion period
- 15.45-16.30 **Wet Scrubbers**
Mode of operation, basic designs, design calculations, application, droplet separation.
- 16.30-16.45 **Concluding Discussion**

All attendees of the Course will receive a printed book containing copies of the presentations. During the discussion periods, attendees will be encouraged to raise matters related to their problems and experiences, or to other filtration and separation topics that are of particular interest to themselves.

Attendees will receive a Certificate of Attendance

COURSE PRESENTERS include

Professor Richard Wakeman is a consultant chemical engineer with 40 years' experience of working with industry internationally (richard@richardwakeman.co.uk). He has held professorships at Loughborough (UK), Exeter (UK), Pardubice (Czech Republic) and Chun Yuan (Taiwan) Universities and has been a Visiting Fellow at Mumbai University (India). He is a Fellow of the Institution of Chemical Engineers and the Royal Academy of Engineering.

Dr Steve Tarleton (steve.tarleton@ntlworld.com) is the Honorary Secretary of The Filtration Society, and a Senior Lecturer at Loughborough University. He is an internationally recognised expert with more than 30 years' experience in filtration and separation who has lectured and consulted throughout the world.

The presenters have been Chairmen of The Filtration Society. They have authored many books, some 500 technical articles and their work has been recognised by awards from the Institution of Chemical Engineers, The Filtration Society, and the Indian Institute of Chemical Engineers.

VENUE

The National Motorcycle Museum is at the hub of England's motorway system and rail network, with Birmingham International railway station just a few minutes taxi ride away. The Museum is situated in the centre of the Midlands close to Solihull, Birmingham, and Coventry. Access from everywhere within the UK is direct and overseas visitors praise the excellent international services provided at Birmingham Airport, which is less than two miles away. The National Exhibition Centre (NEC) is also near the Museum complex and there are ample car parking facilities.

OTHER SOCIETY MEETINGS IN 2013

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| June 11 | Training Course – The Solid/Liquid Separation Process |
| June 12 | Training Course – Getting the Best Performance from Solid/Liquid Filters |