

REGISTRATION FORM

Name:
Company:
Address:
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Post Code:
Tel: Fax:
E-mail:

Please register me for

The Solid/Liquid Separation Process Training Course – 11 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 the 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

The Solid/Liquid Separation Process

Training Course

11 June 2013

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

COURSE PROGRAMME – 11 JUNE 2013

The course is a review of the processes involved in the separation of solids from liquids, and has the aim of bringing attendees up-to-date with a wide range of solid/liquid separation technologies and understanding their operational aspects. It draws upon the presenters in-depth knowledge of industrial applications and extensive R&D experience. 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, scientists, managers and other technical personnel involved in solid/liquid separation in the process and related industries. They will find the course informative, regardless of whether they design, purchase, research or use filtration and separation equipment. Plant engineers, technicians and operators will find the course materials directly applicable, and graduate students will value the expert introduction to the technologies.

- 9.30-9.45 **Introduction**
The Solid/Liquid Separation process; overview of the course.
- 9.45-10.30 **Filter Media**
Woven fabrics, wirecloths and composites; properties and applications characteristics.
- 10.30-11.15 **Principles of Sedimentation and Filtration**
Sedimentation and cake filtration fundamentals (including compressible cakes) – how cake filters work. Driving forces for solid/liquid separation equipment. Depth filtration fundamentals – how depth filters work. Importance of correct filter media selection.
- 11.15-11.40 Break and discussion period
- 11.40-12.25 **Filter Cake Washing and Deliquoring**
Fundamentals and applications of cake washing and cake dewatering (deliquoring). Practical considerations for cake washing and deliquoring.
- 12.25-13.10 **Pressure Filters**
Alternative designs of pressure filters (e.g. filter presses, tubular and leaf element filters, variable volume filters, belt presses), clarification filters (e.g. diatomaceous earth filters). Effects of filter operating characteristics, applications.
- 13.10-13.50 Lunch
- 13.50-14.35 **Vacuum Filters**
Alternative designs of vacuum filters (e.g. drum and disc filters, belt filters, table filters, pan filters), precoat filters. Effects of filter operating characteristics, applications.
- 14.35-15.20 **Centrifugal Separators**
Filtering centrifuges – principles and alternative centrifuge designs (e.g. plough, peeler and pusher centrifuges).
- 15.20-15.45 Break and discussion period
- 15.45-16.30 **Membranes and Membrane Filtration**
Membrane types (e.g. polymeric, ceramic and metallic). Membrane characteristics. Operational properties.
- 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

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. 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 12 | Training Course – Getting the Best Performance from Solid/Liquid Filters |
| June 13 | Training Course – Air Pollution Control |