

## REGISTRATION FORM

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Please register me for  
**'Sludge Processing – Asset or Waste'**

- £140 Non-member  
 £100 Member of The Filtration Society  
 £70 Student/Retired (proof required)

Please send information on membership of the Society:

- Individual or Student membership  
 Corporate Association

### Payment method

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

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(last 3 digits on reverse side of card)

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- Please invoice

Please send or fax this form **WITH PAYMENT** to:  
**The Filtration Society, 19 Clyst Valley Road,  
Clyst St Mary, Exeter, Devon, EX5 1DD, UK.**  
(fax +44 (0)1392 874398)

*Cheques should be made payable to **The Filtration Society**.  
Charges include VAT, lunch and refreshments. A VAT 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.

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

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 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 50% discount on "Filtration & Separation" and 25% discount on books from Elsevier

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 can be found in The Filtration Society membership leaflet or on the world wide web at:

<http://www.filtsoc.com>



## Sludge Processing: Asset or Waste

**11 May 2010**

**A one day international  
technical meeting**

**to be held at  
The Heath Conference  
Centre, Runcorn, UK**

## Sludge Processing

Sludges – thick suspensions of fibrous solids, usually organic in nature, in liquids (usually water) – need to be processed before recycle or disposal. This processing will normally involve reducing the amount of liquid associated with the solids (dewatering), so that they can be more efficiently treated if they are to be used as a source of valuable materials, i.e. for their asset value to be recovered. The alternative to recovery is usually disposal, and processing is then required to reduce the water content so that the sludge takes up less space in a landfill, or can be thermally treated, by incineration with energy recovery, for example, leaving only an ash for final disposal.

The main process is thus a dewatering step, using a filter press or centrifuge, to produce a much thicker sludge, or paste, but there may well be a step ahead of dewatering, such as digestion, to reduce sludge quantities (and recover some of the energy content), or a step after water removal, to make the thick sludge more useful or more easily handled, *en route* to disposal.

This conference is largely concerned with sludge dewatering. It looks at the effect of sludge properties on the dewatering process, and describes improvements in the equipment used for dewatering. If the original sludge does not contain recoverable solid components, then it will be a valuable energy source at the treatment works, or when transformed into a marketable solid fuel. The dewatering process is the key to the economic recovery of the values actually present in the original sludge.

**Attendance at Filtration Society meetings is open to all - members, non-members 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.**

## TECHNICAL PROGRAMME

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|-------------|--|
| 9.00-9.30   | Registration with coffee   |
| 9.30-9.40   | Welcome and Introduction. Professor Richard Wakeman, Consultant, Secretary of The Filtration Society.            |
| 9.40-10.15  | Sludge – The numerical context. Ken Sutherland, Northdoe Ltd, UK.  |
| 10.15-10.50 | The impact of sludge structure on dewatering behaviour. Professor Kristian Keiding, Aalborg University, Denmark. |
| 10.50-11.20 | Coffee break   |
| 11.20-11.55 | Sludge as an asset. Paul Fountain, Thames Water, UK.   |
| 11.55-12.30 | Sludge thickening processes. Matt Gibson, Ashbrook Simon-Hartley, UK.  |
| 12.30-13.35 | Lunch  |
| 13.35-14.10 | Thermal solutions for the treatment of biosolids. Lee Mountford, Veolia Water Solutions and Technologies, UK.    |
| 14.10-14.45 | Sludge dewatering using the J-Vap process. Bob Bosgraaf, Siemens Water Technologies.                             |
| 14.45-15.15 | Tea break  |
| 15.15-15.50 | Dry solids from decanters. Peter Rose and Steve Twinn, Alfa-Laval, UK.   |
| 15.50-16.25 | Choosing the right equipment for sludge dewatering. Andrew Stanley, Andritz, UK.                                 |
| 16.25-16.30 | Close of Meeting.  |

The Heath Conference Centre, Runcorn, is well served by a network of motorways and offers ample free car parking, and is within 20 minutes of Manchester and Liverpool International Airports.



## FORTHCOMING FILTRATION SOCIETY MEETINGS in 2010

- 22 June – Technical Visit to Baxter Healthcare
- September – Technical visit to AstraZeneca
- 12 October – Short course on filter testing
- 13 October – Filter Testing 5 Conference and Exhibition



[www.filtsoc.com](http://www.filtsoc.com)