

FILTECH 2011

March 22 – 24, 2011
Wiesbaden – Germany

International Conference & Exhibition for F&S Technology

Call for Papers

FILTECH

FILTECH is the largest and most important special interest Event devoted entirely to filtration and separation technology. **FILTECH** is supported by many national and international F&S Organisations.

CONFERENCE

Engineers, managers, researchers and scientists are invited to present their latest findings at the **FILTECH** Conference. The **FILTECH** Conference will feature once again the latest advances and techniques in liquid/solid and gas/particle separation (dust, gas & air filtration) in 3 days of in depth exposure. Technology and know-how transfer is a main target.

EXHIBITION

At **FILTECH** more than 200 Companies from the world-wide filtration and separation industry, together with related markets as well as manufacturers of particle measurement instruments will feature the latest innovations and up-to-date solutions for state-of-the-art filtration and separation technology on 7.400 sq m exhibition space. **FILTECH** is a must for all those concerned with designing, improving, purchasing, selling or researching filtration and separation equipment and services. Stand booking is open.

Venue

FILTECH 2011 will be again held in Wiesbaden, Germany. Hesse's State Capital is situated right in the Centre of Europe. Wiesbaden is easy to reach by whatever means, be it by road, by rail or by plane. The City's proximity to Frankfurt International Airport guarantees easy access especially for international visitors. Wiesbaden is an open and lively business centre, characterised by its Spa, charming historic architecture and a beautiful old town. Wiesbaden, a lush masterpiece of historicism, has not only preserved its belle époque charm over time, but has also merged it with its modern professional life.



Venue

Rhein Main Hallen
Rheinstraße 20
65185 Wiesbaden – Germany
www.rhein-main-hallen.de

Star Alliance

The Star Alliance™ Members Airlines are the Official Airline Network for **FILTECH 2011**. Registered participants plus one accompanying person travelling to the event are automatically granted a discount of **up to 20%**, depending on fare and class of travel booked. To obtain the Star Alliance™ Conventions Plus discounts, please call the reservation office of a participating Star Alliance Member Airline and quote the following convention code:

CONVENTION CODE LH02S11

For more information visit: <http://filtech.de/travel.htm>

Scope

The scope of **FILTECH** includes fundamentals, equipment and strategies to „Solid-Liquid-Separation“ by filtration and sedimentation and „Air and Gas Cleaning“ by filtration, settling, electrostatic precipitation and scrubbing.

Short Courses

One day prior to **FILTECH 2011** on Monday March 21, 2011 two 1-Day Short Courses will be held. **Short Course I** features "The Solid/Liquid Separation Process", **Short Course II** "Fine Dust Separation". Both courses will be presented by internationally renowned experts. The Short Course language is English.

Committee Chairmen

Prof. Eberhard Schmidt

University of Wuppertal – Germany Department Safety Technology/ Environmental Protection

Dr. Ing Harald Anlauf

University of Karlsruhe – Germany Institute for Mechanical Process Engineering and Applied Mechanics

Organiser

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Congress Topics

Solid-Liquid-Separation by Vacuum and Pressure, Press and Centrifugal Filtration, Cartridge and Bulk Layer Depth Filtration, Gravity and Centrifugal Sedimentation, Hydrocyclones, Flotation & Adsorption

Fundamentals • New Equipment and Processes • Combined Mechanical-Thermal-Separation • Solid-Liquid- and Liquid-Liquid-Extraction • Solid and Liquid Purification • Separation Enhancement by Electrical and Magnetic Means • Surfactants and Filter Aids • Slurry Pretreatment by Coagulation and Flocculation • Separation of Nanoparticles • Liquid Quality Regulations Filter Media • Woven Filter Media • Non-Woven Filter Media • Granular and Fibrous Filter Media • Membranes Characterization of Filter Media • Filter Media Production Technologies

Solid-Gas-Separation by Surface Filters, Fibrous and Granular Bed Depth Filters, Bag Filters, Electrostatic Precipitators, Wet Scrubbers, Cyclones

Fundamentals • New Equipment and Processes • Particle Separation at High Temperatures • Simultaneous Removal of Gaseous Components • Separation of Nanoparticles • Air Quality Regulations • Emission Control • Product Recovery

Membrane Processes by Crossflow, Dead End, Shear Stress Filtration, Micro-, Ultra-, Nanofiltration, Reverse Osmosis and Dialysis, Pervaporation, Gas Permeation

Fundamentals • New Equipment & Processes • Separation Enhancement by Electrical Means, Vibration • Combined Processes • Membrane Design

Filter Media

Woven & Non-Woven Filter Media • Granular & Fibrous Filter Media • Membranes • Characterization of Filter Media • Media Production Technologies

Testing; Instrumentation; Control

Characterization Instruments for Particles, Pores, Interfacial Phenomena

Filter Media Testing Methods & Instruments • Separation Test Methods & Instruments • Operation & Control of Filtration & Separation Equipment

Simulation and Modelling

Computational Fluid and Particle Dynamics • Computer-Aided Design, Selection and Operation of Separation Equipment • Process Simulation • Flowsheeting Expert Systems

Product related Separation Processes

Bio-Materials & Fermentation Separations • Food & Beverage Production • Pharmaceuticals • Ultraclean Liquids for the Electronic Industry • Pigment Separation • Production of Nanoparticulate Systems • Municipal & Industrial Waste Water Treatment • Potable Water Treatment • Automotive & Aeronautical Separation Systems • Clean Room Technology • Mineral & Ore Separation • Separations in the Chemical Industry • Drilling Mud Processing & Separations in the Oil Industry • Recovery of Fluids in the Metal Industry • Produced Water Treatment • Oil Cleaning Processes

Special Topics

Selective Separation • Micro Process Technology • Nanofluidics • Mist and droplet Separation

Registration Fees

Day-Ticket Early bird € 290 Regular € 360
3-Day-Ticket Early bird € 590 Regular € 740 (incl. German VAT)

The participation includes Congress proceedings featuring all papers, lunches, refreshments during breaks, a Get-Together Reception on March 22, 2011 and a public transport ticket.

Early bird rate until **December 12, 2010**. For speakers the early bird tariff applies at any time.

Submission of Papers

July 5, 2010 is the deadline for abstract submission. Authors are requested to submit abstracts in English according to the following instructions.

- Prepare on A4 doc(21.0 cm x 29.7 cm) with margins of 2.5 cm.
- Abstracts should not exceed 2 pages in length.
- Use Arial 12 points, line spacing "single"
- Start with title, name(s) of author(s), and affiliation(s).
- Make the title, background, aim, method and main results as concise as possible.
- Indicate up to 6 authors' names and initials. If more than 6 use „et al.“. Give name/institution where the main work was done.
- Indicate by (*) the presenting author(s).
- Close with 4-6 keywords describing key advances identified in the paper.

The Conference language is English.

Submissions should include a separate doc giving:

- Full name, postal address, fax, e-mail of the submitting (corresponding) author and title of the paper.
- Indication which kind of presentation is preferred: oral (20 min.) or short oral (5 min.) plus poster.
- Declaration that the paper, if accepted, will be presented at FILTECH 2011 by the author or one of the co-authors.

The Organiser will acknowledge the receipt of the abstract. All abstracts will be refereed and a criterion of rejection will be lack of originality. The submitting author will be informed by **August 30, 2010** if the paper is accepted, which kind of presentation is selected, and how to prepare the paper for the preprints. Abstracts and the covering letter should be sent by e-mail attachment (word-format, reference line: ABSTRACT FILTECH to:

paper@filtech.de

Key Dates for Speakers

Deadline Abstracts

Notice of Acceptance

Deadline Full Papers

July 5, 2010

August 30, 2010

November 30, 2010

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