



FILTECH

November 12 – 14, 2024
Cologne – Germany

The Filtration Event

www.Filtech.de

Call for Papers

Join the
world's largest
Filtration Event

Koelnmesse · Cologne · Germany



Welcome to FILTECH in Cologne

The Filtration industry provides innovative solutions for current and future challenges. This dynamic industry is of further growing importance and turning into a key industry worldwide. At the FILTECH 2024 Show the latest innovations will be on display and will provide visitors an exclusive overview and insights into state-of-the-art science and technologies.

FILTECH will be once again the place to be for all those involved with the filtration and separation sector and adjacent industries. And the City has a lot more to offer...

The magnificent Cologne Cathedral hovers above the roofs of the city. It is not only used as a point of orientation but is the pride of the people in Cologne. The panorama of the city has been dominated by the Cathedral's gigantic pair of towers since their completion in 1880.

Enjoy the unique Rhine panorama of the Old Town with the Cathedral, the Roman church Groß St. Martin and the historical Town Hall. Enjoy a glass of the famous local "Koelsch" beer and take a stroll through the narrow, cobble-stoned alleys by the river Rhine.

Join the largest Filtration Event world-wide and ...

... present your latest research

FILTECH 2024 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.

The programme will give a representative cross-section of the different procedures and appliances of separation technology as well as across the industry about the applications, from the preparation of mineral raw materials, the chemistry, environmental technology and water purification down to the pharmacy and biotechnology. Most ongoing problems will be represented in the programme.

You are cordially invited to present your latest research at FILTECH 2024 to an international audience and network with filtration experts from all over the world.

Submit your abstract until
May 31, 2024

Full Paper Deadline: September 6, 2024



The international Exhibition

The **FILTECH 2024** Show will once again offer Exhibitors a unique possibility to generate new business. The Show will feature 480+ Exhibitors at the Koelnmesse in Cologne. The largest filtration Show world-wide is the globally acknowledged platform and solution provider for all industries covering every market segment.

FILTECH has an established track record in bringing together the technical and commercial sectors to develop global business relationships.

The Show successfully extended its range and presents the most recent innovations in filtration and separation technologies, machinery, particle measurement, analysis & simulation systems and many more associated industries.

FILTECH

November 12 – 14, 2024
Cologne – Germany

The Filtration Event
www.Filtech.de



Presented by leading experts – learn about future ...

... trends and perspectives

FILTECH 2024 Conference will feature more than 200 technical papers, a Plenary Lecture and several Keynote Lectures presented by leading experts. Delegates profit from high-level knowledge transfer!

Scientific Committee Chairmen

- Dr. Harald Anlauf
- Prof. Eberhard Schmidt

Germany
Germany

Scientific Committee

- Prof. Mônica Lopes Aguiar
- Prof. Sergiy Antonyuk
- Dr. Harald Banzhaf
- Dr. Wu Chen
- Prof. Liang-Yin Chu
- Prof. Ching-Jung Chuang
- Prof. Kyung-Ju Choi
- Prof. Achim Dittler
- Prof. Kunihiro Fukui
- Dr. Pascal Ginisty
- Prof. Leon Gradon
- Prof. Antti Häkkinen
- Prof. Eiji Iritani
- Prof. Chikao Kanaoka
- Prof. Gerhard Kasper
- Dr. Karsten Keller
- Prof. Gernot Krammer
- Prof. Andrzej Krasinski
- Dr. Martin Lehmann
- Prof. Markus Lehner

Brazil
Germany
Germany
USA
China
Taiwan
Korea
Germany
Japan
France
Poland
Finland
Japan
Japan
Germany
USA
Austria
Poland
Germany
Austria

- Prof. Dietmar Lerche
- Prof. Woon-Fong Wallace Leung
- Dr. Hisao Makino
- Dr. Tuve Mattsson
- Prof. Gerd Mauschwitz
- Prof. Arunangshu Mukhopadhyay
- Prof. Ioannis Nicolaou
- Prof. Jennifer Niessner
- Prof. Hermann Nirschl
- Dr. Thomas Peters
- Prof. Urs Peuker
- Prof. Pierre-Yves Pontalier
- Prof. Sandra Mara Santana Rocha
- Prof. Peter Scales
- Prof. Hans-Joachim Schmid
- Dr. Anthony Stickland
- Dr. Christine Sun
- Prof. Hans Theliander
- Prof. Dominique Thomas
- Prof. Bhaskar N. Thorat
- Prof. Paolo Tronville
- Prof. Kuo-Lun Tung
- Prof. Eugène Vorobiev
- Dr. Matthias Waldenmaier

Germany
China
Japan
Denmark
Austria
India
Cyprus
Germany
Germany
Germany
Germany
France
Brazil
Australia
Germany
Australia
USA
Sweden
France
India
Italy
Taiwan
France
Germany



Regulation and intensification of mass-transfer and separation processes with micro-/nano-structured functional materials

Prof. Dr. Liang-Yin Chu, Membrane Science and Functional Materials Group
– Sichuan University, China

Plenary Lecture



**Formation and separation of flocculated suspensions:
Good practices and challenges for laboratories and industries**

Dr.-Ing. Pascal Ginisty, IFTS – Institut de la Filtration et des
Techniques Séparatives, France

Keynote Lecture 1



How filtration and separation impact global sustainability

Dr. Wu Chen
USA

Keynote Lecture 2



**Membrane technology –
New developments, challenges, markets and applications**

Prof. Dr. Steffen Schütz,
Stuttgart University IMVT & MANN+HUMMEL, Germany

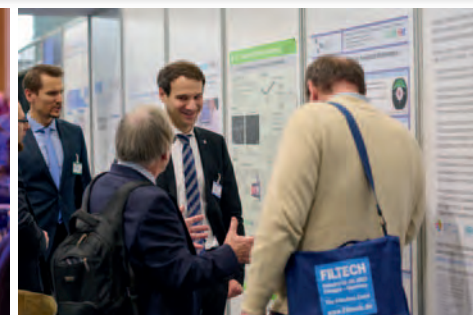
Keynote Lecture 3



From process to operation: Digital twins for filtration

Dr.-Ing. Ralf Kirsch,
Fraunhofer ITWM Flow and Material Simulation, Germany

Keynote Lecture 4





How to submit...

... your abstract

Your abstract should not exceed 2 pages (incl. tables and figures). Make the title, background, aim, method and main results as concise as possible. Give 4–6 keywords describing the content of your abstract. Start with title, name(s) of author(s), and affiliation(s). Indicate up to 6 authors' names and initials. If more than 6 use "et al.". Give the name/institution where the main work was done. Indicate by (*) the presenting author.

When you submit your abstract please precise what kind of presentation is preferred:

20 min presentation
or

5 min presentation
in a session room plus presentation in front of the poster in the poster area after the session

Upload your abstract as MS-Word file on the FILTECH 2024 website.

You will receive an e-mail confirmation with your abstract number.

For further details see
www.filtech.de → Conference

**Poster
Printing
Service
incl.**

Conference Registration Fees

Day-Ticket	Early bird € 320	Regular € 410
3-Day-Ticket	Early bird € 660	Regular € 850
Short Courses	Early bird € 490	Regular € 610

Your Participation includes: Proceedings featuring all papers in an abstract book & personalized download-link, Welcome Reception, Lunches & Refreshments, Cologne Public Transport Ticket, Entrance to the Exhibition and an Exhibition Catalogue

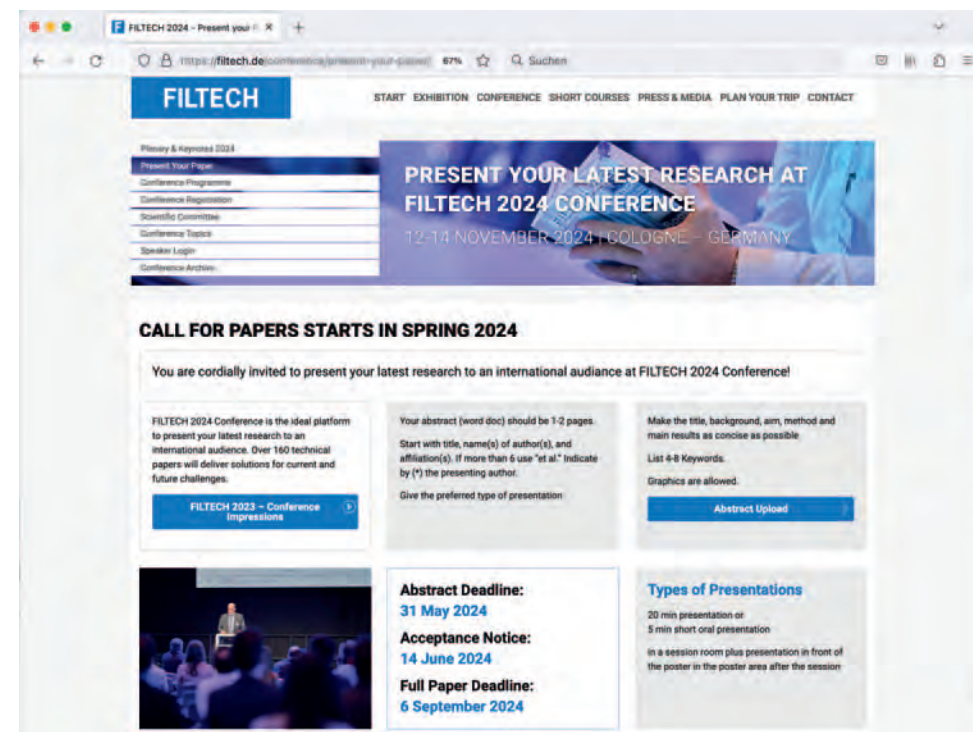
Early bird rate until September 30, 2024. For speakers the early bird rate applies at any time (all prices incl. German VAT).

Submit your abstract until

May 31, 2024

Notice of Acceptance
June 14, 2024

Deadline Full Papers
September 6, 2024



Abstract Preview 2024

The **FILTECH 2024 Conference Programme** will be published on the FILTECH website with short summaries of all abstracts. With the implemented search function you can easily find relevant topics, authors, contents and affiliations.



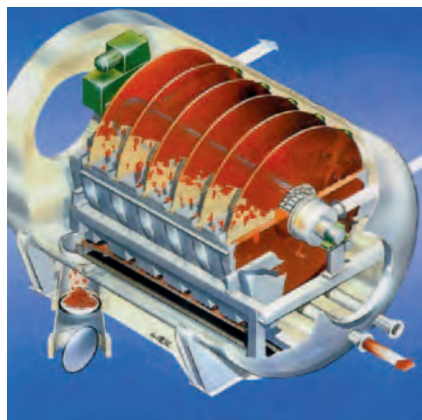
One day prior to FILTECH 2024 two 1-Day Short Courses will be held:

Short Course I

November 11, 2024, 9:00 am - 6:00 pm

Solid/Liquid Separation

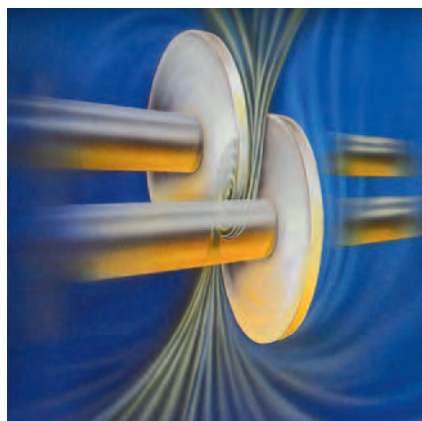
Presenter: Dr.-Ing. Harald Anlauf
Consultant, Germany



Topics

- Characterisation of Particles and Particle Separation
- Density Separation - Static Thickeners and Solid Bowl Centrifuges
- Depth, Cross Flow and Cake Filters
- Filter Media
- Suspension Pretreatment to Enhance Separation Properties
- Alternative Separation Solutions and Apparatus Combinations
- Selection Criteria for Separation Equipment

This 1-day Course "Solid/Liquid Separation" is of interest to engineers, scientists, managers and other technical personnel involved in solid-liquid separation in the process and other 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 should find the course materials directly applicable, and graduate research students will value the expert introduction to the technologies. It is a comprehensive review of the processes involved in the separation of solids from liquids, which will emphasise practical aspects and present appropriate theoretical information as necessary.



Short Course II

November 11, 2024, 9:00 am - 6:00 pm

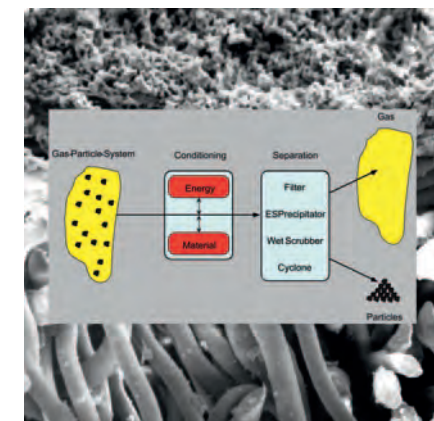
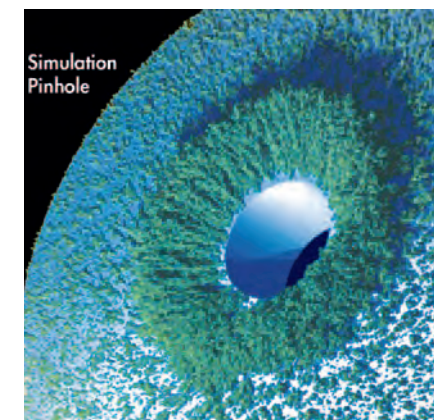
Air Cleaning and Dust Separation

Presenter: Prof. Eberhard Schmidt
University of Wuppertal, Germany

Topics

- Evaluation and Selection of Dust Collection Equipment
- Wet Scrubbers
- Centrifugal Collectors / Cyclones
- Electrical Precipitators
- Fibrous Filters / Deep Bed Filters
- Raw Gas Characterisation and Conditioning
- Fabric Filters / Surface Filters

This 1-day "Air Cleaning and Dust Separation" Short Course is 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. It 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.





You are cordially invited to submit your latest research. Abstracts can be submitted until May 31, 2024. We look forward to welcoming you to Cologne!



FILTECH

November 12 – 14, 2024
Cologne – Germany

The Filtration Event

www.Filtech.de

**Platform
for your
success**

Choose and reserve your Exhibition space online at www.Filtech.de