Call for Papers

Join the world’s largest Filtration Event

Koelnmesse · Cologne · Germany
Welcome to FILTECH in Cologne

With the FILTECH 2021 to be held in February the City of Cologne will be the Filtration Capital for the academic and commercial world concerned with Filtration & Separation tasks. And the City has a lot more to offer…

Cologne where the cathedral spires tower over Germany’s oldest city and its innumerable cultural and historical treasures, world-famous museums and active art scene. Take a trip through 2000 years of history and visit cultural monuments from the Roman Empire to modern times. Built between 1248 and 1880, Cologne Cathedral is regarded as a masterwork of medieval Gothic architecture. It is one of the finest ecclesiastical edifices in the world.

Situated directly on the Rhine and marked by narrow gables and high slated roofs, a district of its own type asserts itself in the Old City of Cologne, the unmistakable, historically appearing character of which stands out immediately.

Cologne is a lively cultural metropolis. Thanks to an extremely active and committed urban scene the city has developed into a creative hotspot. This is reflected above all in the numerous facets of design, music, art, fashion, festivals, and food. The Cologne Tourist Board illuminates this modern urban lifestyle on the visit.koeln blog and strengthens its focus on the culinary facets of the cathedral city. You can discover more about #CulinaryCologne and #urbanCGN at www.visit.koeln.

We look forward to welcoming you to Cologne - Germany.

Whether visiting the Romano-Germanic Museum, looking around the Roman Praetorium or taking a walk past the medieval city gates – Cologne’s 2,000-year history can be felt everywhere. The Romano-Germanic Museum is, besides its outstanding glass collection, home to the Dionysos mosaic and the famous tomb of Poblicius.
Join the largest Filtration Event world-wide and …

… present your latest research

FILTECH is the largest and most important filtration event world-wide. The international Conference is a must for everybody concerned with researching, designing, purchasing or selling filtration and separation equipment and services.

Submit your abstract until August 30, 2020
Full Paper Deadline: December 10, 2020

Present your latest findings at FILTECH 2021 to an international audience and network with filtration experts from all over the world.

FILTECH 2021 Conference will feature once again the latest advances and techniques in liquid/solid and gas/particle separation (dust, gas & air filtration). Technology and know-how transfer is a main target.

The Filtration Event

FILTECH 2021 will feature 450+ 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 & simulationsystems and many more associated industries.
In medias res: Air filtration is omnipresent for delivering clean air: protecting engine and equipment known as engine filtration, enabling processes and technology known as industrial filtration, providing comfort and indoor air quality known as HVAC filtration. Adding gas adsorption, the domain of cabin air filtration shows up. However, in this talk the focus will be on particle filtration.

Tempora mutantur et nos mutamur in illis. A bit more than twenty years ago, the digital revolution in air filtration started. First realistic simulations of particle collection on single fibers. First time visualization of the 3D microstructure of a fibrous filter. CFD and FEA have become a key tool for designing air intake systems. …

The role of structural and surface properties of depth filter media designed for selected separation processes
Prof. Andrzej Krasinski, Warsaw University of Technology, Faculty of Chemical and Process Engineering / Poland

The presentation covers examples on the enhancement of filtration performance by modification of fibrous media tailored for specific processes. The topic will include an optimization of depth filter for solid filtration and coalescence (both gas-liquid and liquid-liquid), methods for modification of filter structure by deposition or synthesis of particles on the fibers to obtain expected wettability as well as fabrication and testing of antibacterial filters …

Simulation of solid-liquid separation processes: Challenges in modeling and experimental validation
Prof. Sergiy Antonyuk, Technische Universität Kaiserslautern, Institute of Particle Process Engineering / Germany

With the rapid increase in computing power, numerical simulation is becoming increasingly important for the prediction and description of solid-liquid separation processes. Numerical studies can improve knowledge of complex separation mechanisms and support the model-based optimization of existing and the development of novel separation processes. The approaches used for the modeling and simulation of solid-liquid flow processes differ in …

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

Functional membranes are playing paramount roles for sustainable development in myriad aspects such as energy, environments, resources and human health. However, the unalterable pore size and surface property of traditional porous membranes restrict their efficient applications. The performances of traditional functional membranes will be weakened upon the unavoidable membrane fouling, …

Membrane filtration and sustainable development
Prof. Dr. Pierre-Yves Pontalier,
ENSIACET LCA Laboratoire de Chimie Agro-industrielle / France

Membrane processes are used in a very large number of industrial fields such as the food industry, the chemistry, the pharmaceuticals or the environment. Membrane processes contribute to the protection of the environment as they allow the depollution of industrial and urban effluents. They may also help to limit environmental degradation by integrating new cleaner processes, particularly those related to the biorefinery concept …
... 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.

Upload your abstract as MS-Word file on the FILTECH 2021 website. You will receive an e-mail confirmation with your abstract number.

For further details see www.filtech.de → Conference
FILTECH 2021 Conference
Where Experts meet

Scientific Committee Chairmen
- Dr. Harald Anlauf, Karlsruhe, Germany
- Prof. Eberhard Schmidt, Wuppertal, Germany

Scientific Committee
- Prof. Mônica Lopes Aguiar, São Carlos, Brazil
- Prof. Sergiy Antonyuk, Kaiserslautern, Germany
- Dr. Harald Banzhaf, Ludwigsburg, Germany
- Prof. Liang-Yin Chu, Chengdu, China
- Dr. Pascal Ginisty, Foulayronnes, France
- Prof. Leon Gradon, Warsaw, Poland
- Prof. Anti Häkkinnen, Lappeenranta, Finland
- Prof. Eiji Iritani, Nagoya, Japan
- Prof. Chikao Kanaoka, Tsubata, Japan
- Prof. Gerhard Kasper, Karlsruhe, Germany
- Dr. Karlsten Keller, Millard, USA
- Ir. Hermanes Kleizen, Hengelo, Netherlands
- Prof. Gernot Krammer, Graz, Austria
- Dr. Martin Lehmann, Ludwigshurg, Germany
- Prof. Markus Lehner, Leoben, Austria
- Prof. Dietmar Lerche, Berlin, Germany
- Prof. Woon-Fong Wallace Leung, Hong Kong, P.R. China
- Prof. Richard Lydon, Chester, UK
- Dr. Hisao Makino, Yokosuka, Japan
- Dr. Curte Mattsson, Gothenburg, Sweden
- Prof. Gerd Mauritsch, Vienna, Austria
- Prof. Arumangshu Mukhopadhyay, Jalandhar, India
- Prof. Ioannis Nicolou, Larnaka, Cyprus
- Prof. Hermann Nirschl, Karlsruhe, Germany
- Dr. Thomas Peters, Neuss, Germany
- Prof. Urs Peuker, Freiberg, Germany
- Prof. Pierre-Yves Pontalier, Toulouse, France
- Dr. Graham Rideal, Waverton, UK
- Prof. Sandra Mara Santana Rocha, Espirito Santo, Brazil
- Prof. Peter Scales, Parkville, Australia
- Prof. Hans-Joachim Schmid, Paderborn, Germany
- Dr. Anthony Stickland, Melbourne, Australia
- Dr. Christine Sun, Clarksville, USA
- Prof. Hans Thelander, Gothenburg, Sweden
- Prof. Dominique Thomas, Nancy, France
- Prof. Bhaskar N. Thorat, Mumbai, India
- Prof. Paolo Trovillion, Bologna, Italy
- Prof. Kuo-Lun Tung, Taipei, Taiwan
- Prof. Eugène Vorobiev, Compiègne, France
- Dr. Matthias Waldenmaier, Kaiserslautern, Germany