FILTECH 2026

June 30 – July 02, 2026
Koelnmesse · Cologne · Germany

FILTECH
June 30 – July 02, 2026
Cologne – Germany
The Filtration Event
www.Filtech.de

Important Information for FILTECH Presenters

Submit Full Paper & Poster Data* latest until April 10, 2026

All Authors must supply 2 versions of their paper/s to be submitted for oral and short oral /poster presentation: A short version (1 page, word document) for publication in the Abstract Book and a long version (6-18 pages, PDF) for electronic publication. *Poster submission is only necessary for Short oral presenters.

Paper Version 1 (1 page word document)

The first one is a **1 page abstract** in word format which will be published in the FILTECH Abstract Book. It should follow the format as shown on page 3 and contain:

- **Title**
  Arial, 14 pt, capital letters, bold, center aligned
- **Author(s) with address**
  Arial, 12 pt, center aligned
- **Start 1 page short version (Background, Aim, Method, Main results, keywords)**
  Arial, 12 pt, left- and right-justified
- **Finish with 4–6 keywords from keyword list**
  Arial, 12 pt, center aligned
- Figures, diagrams and tables should be inserted in the appropriate position using the same typing
- You can include 1 graphic (printable format)
- Prepare in A4 format (21.0 cm x 29.7 cm) with margins of 2.5 cm

Paper Version 2 (6–18 pages PDF-file)

The second version is a **6-18 pages version** which should include the abstract (version 1) as a first page.

It will be published electronically and available for download to delegates.

The length of the paper can vary between 6 and 18 pages in total.

Please note that **6 pages are a minimum.** Shorter papers cannot be accepted. A text version is required PowerPoint Presentations are not accepted.

FORMATTING
Prepare in A4 format (21.0 cm x 29.7 cm) with margins of 2.5 cm

- Start with your version 1 as the first page
- Start your full paper on the second page
- You can use coloured figures, photos etc.
- Please do not use any kind of pagination, footer or header

Index your paper and upload your files easily in the Speakers Area.
Log-in details are communicated with the acceptance notice.

PowerPoint Presentations at the Conference

Prepare your presentation in a 16:9 aspect ratio

- All speakers must contact their session chairman in the conference room prior to their session
- A PC laptop is available in each conference room. **Please bring your presentation on a USB Stick.**
- You can check your A/V presentation before the session in the conference room. Please do so in between the sessions.
- Each conference room is serviced by technicians, who will help in any case of any complicacy…

Forgot log-in details? Contact us at info@filtech.de

Poster Printing Service

Poster Upload for Short oral Presenters

Sort oral presenters must submit a poster in addition to their full paper.
FILTECH provides a poster printing Service. We will print your poster and set it up. You just have to provide us with a printable file until **April 10, 2026**

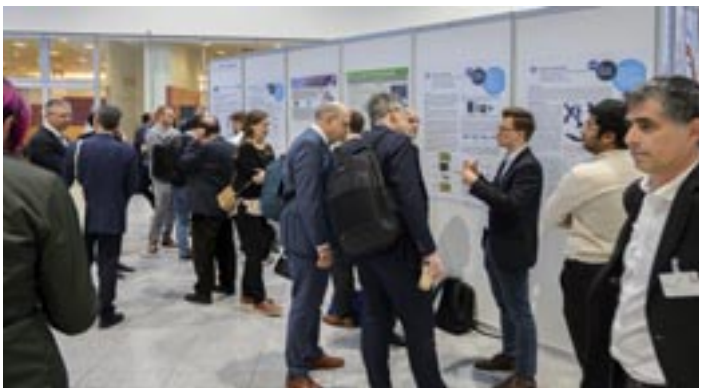
A good poster strikes a balance between providing too much or too little information. An effective poster presentation is not just a report or journal article hung on the wall. It should highlight the major points of the topic in a form that the viewer can absorb in a few minutes.

Poster format:
width: 85,1 cm
height: 119,9 cm

Important note:
Due to printing reasons 5 mm bleed on all sides will be cut off.

- Please prepare your pos-ter in the above format e.g in Powerpoint or provide us with a printable PDF in a high resolution (pictures should have 300dpi).
  In case you use powerpoint please change your sheet to a user-defined format in 85,1 cm wide and 119,9 cm high.
- The organizer will print your poster and set it up on poster walls

If your file ist too large to upload it in the speaker area (10MB+) you can use e.g www.wetransfer.com (this is a cost free service) to transfer your file.
In this case please send your file until to April 10, 2026 via “we transfer” to gerd@filtech.de
Please mention: authors name, title and paper number.



Poster presentations include a short oral presentation (PowerPoint 16:9 aspect ratio) of 5 minutes in the session room. The short oral poster presentation in the session rooms will be followed by individual presentations of the authors in front of the posters directly after every poster session.
Authors with a short oral/poster presentation are asked to be present in front of their poster after their session.

Tips for Preparing Posters

Keep the text brief.

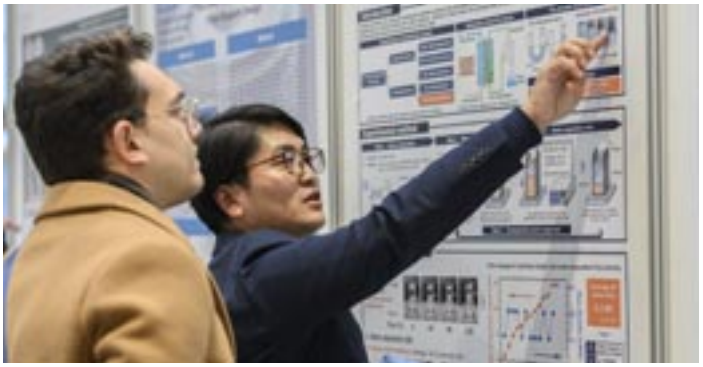
Don't use all capital letters for text. It is harder to read than upper & lower cases.

Use graphics (charts, tables, pictures) that can be understood in a minute or less.

Emphasize important information by using color, different font sizes, etc.

However, too many colors or fonts can be distracting. An effective poster is interesting without being too flamboyant.

Assume that people will be looking at your poster from about 1 meter away, and design it to be read from that distance.



FILTECH 2026 Conference – 1St Page/Abstract Template

CFD AS A TOOL FOR OPTIMIZATION OF SOLID BOWL CENTRIFUGES: ACHIEVEMENTS AND FUTURE CHALLENGES

Title: Arial 14 pt, capital letters, bold, center aligned

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Author/s with address: Arial 12 pt, center aligned

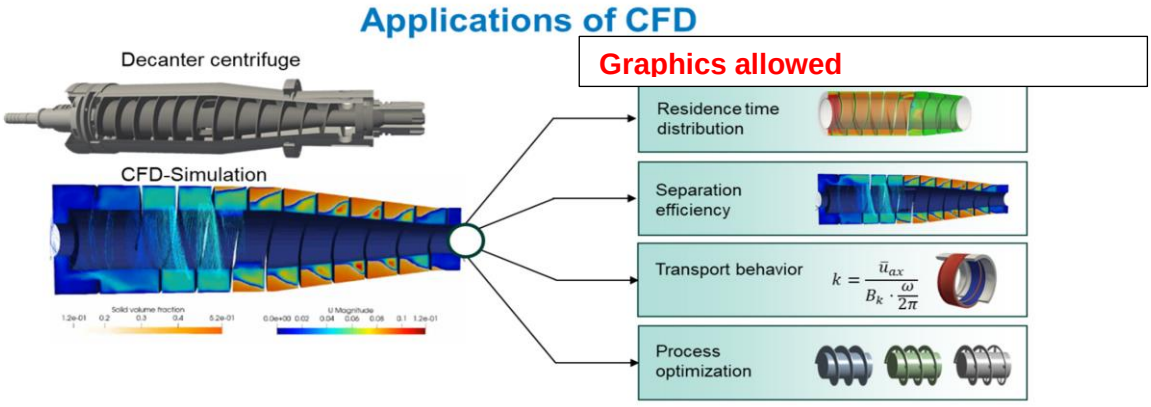
ABSTRACT

Computational Fluid Dynamics (CFD) is now well established in many areas of the process industry and is a powerful tool for process optimization. CFD simulation in the field of solid-liquid separation poses several challenges, such as the description of particle and apparatus size scales, complex computational domains, and the integration of the material behavior of the disperse and continuous phases.

This talk presents the development of a framework for the CFD simulation of the long-term process behavior for different types of solid bowl centrifuges. This enables an in-depth understanding of the physical processes in the centrifuges and the use of this data for the development of real-tim

Abstract: Arial 12 pt, left and right justified

for the applicability of the presented framework is the integration of the material behavior of the suspension, which is measured experimentally on laboratory equipment. However, this leads to the fact that CFD simulations of multiphase flows for solid bowl centrifuges are always based on assumptions that lead to deviations between experiment and simulation. Therefore, developed models require extensive verification by comparing simulation results with experimental data. Furthermore, the influence of the assumptions made, and the limitations of the developed framework will be discussed in this presentation. Finally, the challenges for a broad applicability of the developed CFD models in solid- liquid separation are discussed and future trends for CFD simulation are shown.



Graphics allowed

Figure: Summary of different applications for the extended mixture model.

KEYWORDS:

Solid bowl centrifuges, Multiphase flow, CFD

4-7 Keywords, Arial 12 pt, center aligned