

**JUNE 11-15, 2018, FRANKFURT AM MAIN,
HALL 9.2, BOOTH D66**

**ACHEMA 2018 – ADVANCED
PROCESSES IN CHEMISTRY AND
THE BIOBASED ECONOMY**



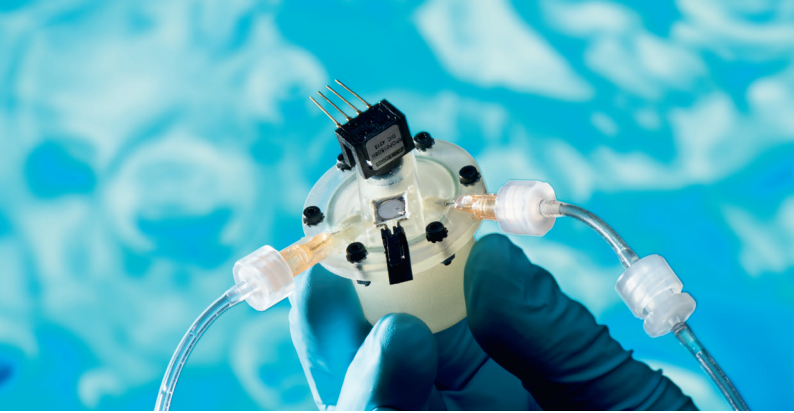


OUR EXPERTISE FOR YOUR INNOVATION

Innovative process technologies and materials, flexible production techniques, and the use of renewable energy sources and raw materials all contribute toward the development of advanced industrial processes in chemistry and the biobased economy. The Fraunhofer-Gesellschaft, as the leading organization for applied research in Europe, is a trusted research partner that can help the industrial sector to attain these goals.

At ACHEMA 2018, various Fraunhofer institutes will be presenting the results of their latest research and technology developments in the fields of chemical engineering, process design and biotechnology. The focal themes of the Fraunhofer exhibits in Hall 9.2 (Booth D66) are:

- flexible production concepts,
- continuous chemical processes,
- electrochemical processes (electricity as a resource),
- innovative process analysis,
- bio refinery processes and biobased materials,
- separation and purification technologies,
- new functional materials,
- and new laboratory tools.



As a one-stop provider, Fraunhofer offers comprehensive and customized R&D services on demand, ranging from experimental studies to the development of products, processes and technologies, along with evaluation and consulting services. We develop, implement and optimize processes and products through to technical and commercial maturity.

Customers thus have access to highly qualified specialists, the latest technical developments and state-of-the-art laboratories.

ACHEMA 2018 is the ideal opportunity to meet with Fraunhofer experts and find out more about future developments in chemical process technology and the biobased economy. We look forward to your visit!



EXHIBITING FRAUNHOFER INSTITUTES

Fraunhofer Institute for Chemical Technology ICT

(→ www.ict.fraunhofer.de)

Fraunhofer ICT will present its recent concepts and technologies in the field of flexible chemical production processes. Continuous reaction and downstream processes combined with real-time capable process analytical techniques (PAT) significantly enhance process efficiency and safety.

Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB (→ www.igb.fraunhofer.de)

Fraunhofer IGB will present its latest research results for a biobased economy: biobased chemicals and materials, process scale-up and the recovery of nutrients and other valuable compounds. New separation technologies for various applications (gas separation, pollutant removal, substance recovery, desalination and water treatment) complement the exhibits.

Fraunhofer Lighthouse Project “Electricity as a Resource” represented by the Fraunhofer Institute for Environmental, Safety, and Energy Technology UMSICHT

(→ www.umsicht.fraunhofer.de)

The Fraunhofer Lighthouse Project “Electricity as a Resource” will present its latest developments in power-to-chemicals processes: CO₂ conversion to various products and on-demand H₂O₂



production. Exhibits range from electrochemical components and processes to tools for process modeling and sustainability assessment.

Fraunhofer Research Institution for Microsystems and Solid State Technologies EMFT (→ www.emft.fraunhofer.de)

Fraunhofer EMFT will present its recently developed micro degasser system which allows efficient on-site degassing of liquids – without an additional vacuum interface.

Fraunhofer Institute for Silicate Research ISC (→ www.isc.fraunhofer.de)

Fraunhofer ISC will present the Aquajust® Cam, a semi-automatic volumetric adjustment device for flasks and measuring cylinders: 100 % calibration for lab products.

Please contact us to schedule a meeting with Fraunhofer experts during ACHEMA or to receive a free entry pass.

Technical coordinator

Dr. Stefan Loebbecke

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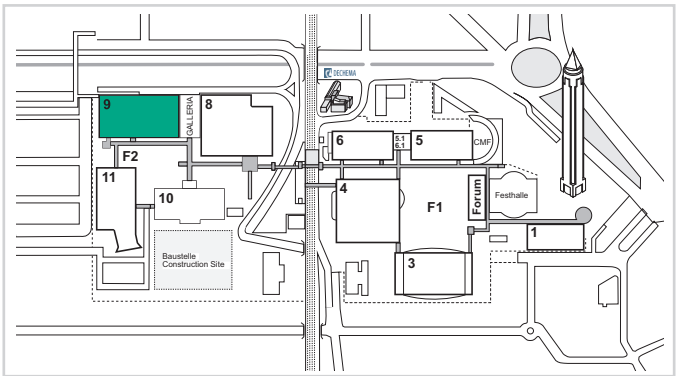
Fraunhofer Institute for Chemical Technology ICT

Joseph-von-Fraunhofer-Strasse 7

76327 Pfinztal (Berghausen)

www.ict.fraunhofer.de

JOINT FRAUNHOFER BOOTH HALL 9.2, BOOTH D66



Other Fraunhofer booths at ACHEMA

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|-------------------|----------------------|
| ■ Fraunhofer HTL | Hall 9.2, booth C69 |
| ■ Fraunhofer IBMT | Hall 5.1, booth D89 |
| ■ Fraunhofer IKTS | Hall 4.0, booth D3 |
| ■ Fraunhofer IMM | Hall 9.1, booth F31 |
| | Hall 9.2, booth A29 |
| | Hall 4.1, booth F58 |
| ■ Fraunhofer IPA | Hall 9.2, booth D41 |
| ■ Fraunhofer IPM | Hall 11.1, booth A87 |
| ■ Fraunhofer ISC | Hall 9.2, booth B87 |
| ■ Fraunhofer ITWM | Hall 11.0, booth E72 |