Chairs

Prof. Dr. Gerald Urban
Dr. Joost Lötters
Dr. Peter Koltay

Program Committee

Prof. Dr. Gerald Urban
Prof. Dr. Miko Elwenspoek
Prof. Dr. Han Gardeniers
Prof. Dr. Shuichi Shoji
Prof. Dr. Göran Stemme
Dr. Joost Lötters
Dr. Peter Koltay
Dr. Klaus Stefan Drese
Dr. Holger Becker
Dr. Martin Richter

Important dates 2014

Start abstract submission:	April 7th
Abstract deadline:	June 2nd
Registration open:	June 2nd
Author notification:	July 1st
End early bird registration:	July 15th
Extended paper:	September 1st

Sponsors

HSG-IMIT
BioFluidiX
IMTEK
Bronkhorst® HIGH-TECH
FLUIGENT

In cooperation with
kongress & kommunikation gGmbH

... more to be announced soon!

Conference venue

University of Freiburg
Platz der Universität 3, Aula (1st floor)
79098 Freiburg
GERMANY

Contact organisers: +49 761 203-73242
info@mfhs2014.org | www.mfhs2014.org


Faculty of Engineering
Photo: Peter Mesenholl


University of Freiburg, entrance to the conference venue
Photo: Peter Mesenholl

MFHS 2014

2nd International Conference on Microfluidic Handling Systems

8 – 10 October 2014

University of Freiburg, Germany

UNI FREIBURG

Aim of the conference

Whether in analytical instrumentation, flow chemistry, food & beverage or life sciences – microfluidic handling systems are facing two major trends: a need for accurate measurement and calibration facilities and a need for complete functional systems rather than for the individual components. In the future, the impact of this field of research may become bigger and potentially large target markets may arise, especially when spin-off companies start manufacturing and selling their products, systems or pilot plants.

The 2nd International Conference on Microfluidic Handling Systems (MFHS 2014) focuses on these issues. It provides an excellent opportunity for scientists and engineers from academia, research institutes and companies to discuss the latest results in the field of microfluidic handling systems.

Previous Conference

In October 2012, the first International Conference on Microfluidic Handling Systems was held in Enschede, the Netherlands. Approximately 100 visitors from 10 countries attended the conference, with a 50:50 share between academic and industrial participants. The conference is framed by an industrial exhibition area and side events.

Topics

The major areas of activity in microfluidic handling systems at this conference include but are not limited to:

- **Sensors:** flow, pressure, viscosity, density, temperature, conductivity, heat capacity, biomarker
- **Actuators:** valves, pumps, mixers, droplet generators
- **Interfaces:** electronic instrumentation, interconnections, assembly, technology
- **Fluidic control systems:** mass flow controllers, precision mixing, dosing and dispensing, calibration
- **Applications:** gas chromatographs, liquid chromatographs, medical analyses, micro reaction systems, bio-analytical systems

Abstract submissions

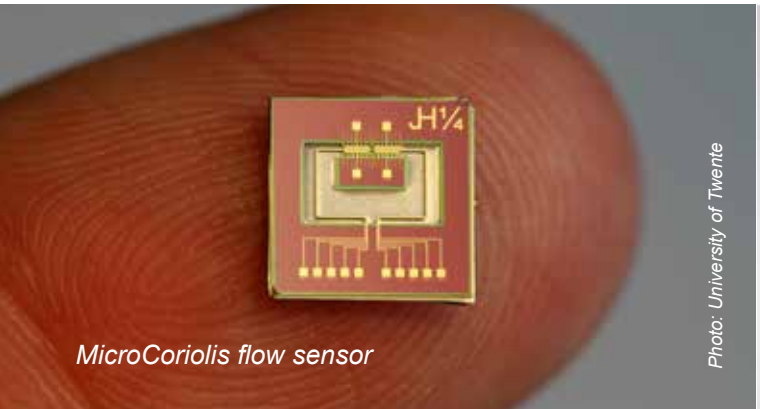
Authors can subscribe for a poster or an oral presentation. For both, a two page abstract has to be submitted, which has to be expanded to four pages after acceptance.

Invited speakers

Prof. Dr. Andreas Manz
Head of Research, KIST Europe
(Korea Institute of Science and Technology Europe Forschungsgesellschaft mbH), Germany
Lab on Chip for separations

Dr. Annemoon Timmerman
Clinical Physicist and Patient Safety Officer, Faculty of Medicine (UMC), Utrecht University, The Netherlands
(Multi-)Infusion: challenges and technical solutions for medication safety

Dr. Jürgen Spinke
Director Enabling System Technologies, Roche Diagnostics GmbH, Germany
Smart Reagent Dosing – Novel Cartridge Concept for Highly Precise Dispensing of IVD Reagents down to the sub-uL Range



MicroCoriolis flow sensor

Photo: University of Twente

Chip-based multiparametric tumor cell culture monitoring

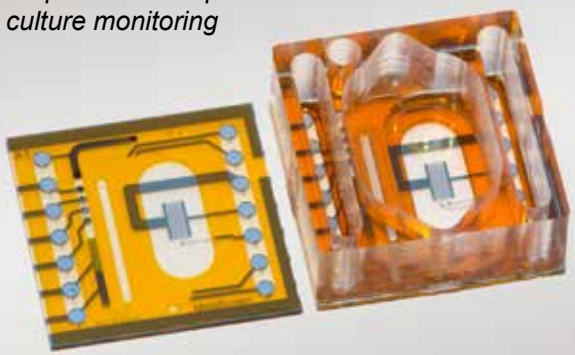


Photo: IMTEK, Laboratory for Sensors

Conference venue

Photos: Michael Spiegelhalter