IMTEK – Lab for MEMS Applications

Our R&D activities focus on microfluidics, microanalytical platforms and system integration, supported by front-end research facilities and highly skilled and multi-disciplinary personnel from the field of fluidics design and simulation, fabrication and prototyping, analytics, and assay development.

Experts in Microfluidics and Bio-MEMS

In close cooperation with the Institut für Mikro- und Informationstechnik of the Hahn-Schickard-Gesellschaft (HSG-IMIT), we focus on solutions that meet the needs of society as well as the market. Our main areas of operation are: Contact-Free Microdosage Technologies, Lab-on-a-Chip, Microfluidic and Biological Engineering, Biofuel Cells, Porous Media, Micro Medical Technology, Thermal Sensors.

The lab coordinates and participates in several national and EU-funded projects focusing on developing lab-on-a-chip systems for microanalytical purposes in the field of diagnostics, food safety, bio-threat security, etc.

Registration & Fees

For registration, please visit the MicroTAS website www.microtas2013.org/workshop.html

Attendees must choose the workshop they would like to attend at the time of registration as there will be no in and out privileges, and material (if any) will only be prepared for those who sign up. Early registration is encouraged as seating is limited and participation is on a first-come, first-served basis. On-site registration may be limited.

Workshop Fees

The fees for the Sunday Workshop are as follows:

<table>
<thead>
<tr>
<th></th>
<th>Participants</th>
<th>Students</th>
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</thead>
<tbody>
<tr>
<td>On or Before 6-SEP-2013</td>
<td>€100</td>
<td>€75</td>
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<tr>
<td>After 6-SEP-2013</td>
<td>€120</td>
<td>€100</td>
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Organizer

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www.imtek.de/laboratories/mems-applications/staff/personal-websites/mitsakakis

www.loac-imtek.de

Workshop

Point-of-Care Platforms for Clinical Diagnostics

*Organized within the EU FP7 project DiscoGnosis (www.discognosis.eu)
The aim of the workshop is to present an overview of PoC solutions currently at development or commercialization level and familiarize the research community about recent advances in the field of PoC from three perspectives:

• Publicly funded projects
• Industry initiatives
• End user needs and feedback

Target groups: The workshop appeals to a wide range of R&D scientists and engineers, medical doctors, decision makers, and product developers, active in microsystems technology and applications in diagnostics.

The invited speakers come from academia, industry, research centers, end-users, and funding agencies from Europe and the USA.

The workshop is organized by Dr. Konstantinos Mitsakakis from the Department of Microsystems Engineering (IMTEK) at the University of Freiburg. He is coordinator of the EU project DiscoGnosis (Disc-shaped Point-of-Care platform for infectious disease diagnosis, www.discognosis.eu).

Speakers’ highlights
• Smartphone-based bioanalysis
• Molecular diagnostics on chip
• Sample-to-answer centrifugal microfluidics
• Handheld device for malaria & tropical diseases
• Rapid identification of respiratory tract infections

Workshop Agenda

Venue: Konzerthaus Freiburg, conference room

13:00 – 13:10 Welcome and general introduction
13:10 – 14:00 Session 1: Application scenarios
14:00 – 15:20 Session 2: Case studies of PoC platforms currently at (near)market and/or development level
15:20 – 15:40 Break
15:40 – 17:10 Session 3: European Commission funded projects on PoC
17:10 – 17:30 Round Table: The future of PoC platforms

Special: Potential coordinators for Horizon 2020 seeking consortium partners may present their proposal concept in a parallel poster session