

# Announcement of 5th Workshop “Chemical and Biological Micro Laboratory Technology“, February 23-25, 2010 in Ilmenau/Elgersburg

Miniaturization in chemical, microbiological and molecularbiological laboratories and material development demands for new microfluidic systems. Particularly, micro and nanoparticles as well as operations with liquid multiphase systems are of big interest for new approaches in microreaction technology.

## The Workshop will primarily deal with the following topics:

- Droplet-based microfluidics / Segmented flow
- Syntheses of micro and nanoparticles using microreaction technology
- Micro- and nanofluid components / Fluidic networks
- Miniaturized cell culture techniques / Screening in the nanoliter range
- Microsystems for biomolecular diagnostics
- Particle-based labeling and sensor strategies
- Chemical reactions in micro flow-through-systems
- Modelling and simulation of microfluidic reactions and systems
- Demonstration and teaching microsystems

This workshop is jointly organized by the TU Ilmenau, the Institute of Photonic Technology Jena, as well as the Institute for Bioprocessing and Analytical Measurement Techniques Heiligenstadt and supported by BioMST e.V..

Conference languages: English and German

## Invited Speakers:

- Davide Agar (Technische Universität Dortmund, D)
- Paul Bowen (Ecole Polytechnique Federal de Lausanne, Lausanne, CH)
- Jens Ducreé (Dublin City University, IRL)
- Steve Haswell (University of Hull, UK)
- Volker Hessel (Eindhoven University of Technology, NL)
- Yonggang Zhu (CSIRO Australia, AUS)

## Contact

TU Ilmenau, Institute of Micro- und Nanotechnologies / Institute of Physics  
Department of Physical Chemistry and Microreaction Technology  
Prof. Dr. Michael Köhler or Dr. Mike Günther  
Phone: +49(0)3677 693700, Fax: +49(0)3677 693179  
[www.tu-ilmenau.de/mrt](http://www.tu-ilmenau.de/mrt), e-mail: [cbm-workshop@tu-ilmenau.de](mailto:cbm-workshop@tu-ilmenau.de)

