TECHNISCHE UNIVERSITÄT ILMENAU

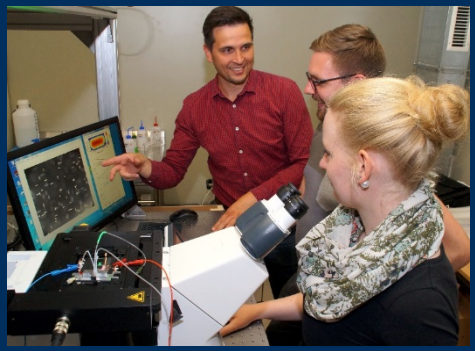
MacroNano®

Possibility of participation in the 11th Workshop of Chemical and Biological Micro Laboratory Technology, 8-10th March, 2022

2nd Short Course on Practical Microfluidics

When: 7-8th March, 2022

Where: TU Ilmenau / Hotel am Wald, Elgersburg, Germany



Contact:
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www.tu-ilmenau.de/ttd/spm

Topics

- fundamentals of microfluidics
- micro systems technologies (MEMS, MOEMS)
- manufacturing techniques for microfluidic devices
- experimental characterization of micro flows using µPIV, µPTV and advanced three-dimensional techniques

Tentative schedule

- 7th of March @TU Ilmenau:
  - 09:00-12:30 / 14:00-15:30 lectures
  - 15:30-18:30 lab tour / practical sessions in the cleanroom
  - 18:30-21:00 welcome reception / vendors exhibition
- 8th of March @Hotel am Wald:
  - 08:30-12:00 lectures
  - 12:00-13:00 lunch
  - possibility to join the 11th Workshop of Chemical and Biological Micro Laboratory Technology

Registration / course fee

(20 % student discount)

- limited number of participants due to Corona regulations
- registration until December 1st, 2021
- fee short course only: short course, including meals, coffee breaks, course notes and welcome reception: 250,00 €
- bundle deal: Short Course on Practical Microfluidics and Workshop of Chemical and Biological Micro Laboratory Technology, including meals, coffee breaks, workshop dinner and book of abstract, course notes and welcome reception: 500,00 €

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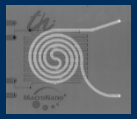

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Topics

- micro systems technologies (MEMS, MOEMS)
- particles – synthesis, labeling, targeting and sensing
- characterization of (bio-) microfluidic systems
- fundamentals of microfluidics, micro reaction technologies, bio-microfluidics
- applications of single- and multiphase flows, surface acoustic waves, electrochemistry, etc.
- applications of micro/nano reaction technologies, networks and system integration

Possibility of participation in the 2nd Short Course of Practical Microfluidics, 7-8th March, 2022

Invited keynote speakers

- Prof. Jeanette Hussong, Fluid Mechanics and Aerodynamics, TU Darmstadt, Germany
- Prof. Massimiliano Rossi, Department of Physics, Technical University of Denmark, Denmark
- Prof. Volker Hessel, School of Chemical Engineering and Advanced Materials, University of Adelaide, Australia
- Prof. Christophe A. Serra, Precision Macromolecular Chemistry group, University of Strasbourg, France
- Prof. Charles Baroud, Physical Microfluidics and Bio-Engineering, Institut Pasteur, France
- Prof. Cleofe Palocci, Department of Chemistry, University La Sapienza Rome, Italy

Abstract submission/registration

- submission of abstracts: September 30th, 2021
- notification of acceptance (Poster/talk): November 1st, 2021
- registration until December 1st, 2021

Conference fee (20 % student discount)

- workshop only: workshop, including meals, coffee breaks, workshop dinner and book of abstracts: 350,00 €
- bundle deal: Workshop and Short Course on Practical Microfluidics, including meals, coffee breaks, workshop dinner and book of abstract, course notes and welcome reception: 500,00 €

This workshop is jointly organized by TU Ilmenau, the Leibniz-Institute of Photonic Technology Jena, as well as the Institute for Bioprocessing and Analytical Measurement Techniques Heiligenstadt. Further information can be found at: www.tu-ilmenau.de/ttd/cbm and www.tu-ilmenau.de/ttd/spm