ABSTRACT SUBMISSION
We strongly encourage the submission of abstracts by e-mail (Word or RTF or PDF). Please include your name and affiliation.

By E-mail: cornelia.loehmann@tu-berlin.de
By Fax: +49 (0)30 314-21134
By Mail: Collaborative Research Centre/Transregio 63
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Updated information on this workshop will be presented on the homepage http://www.inprompt.tu-berlin.de/ibw7 and sent by e-mail. Therefore it is essential to include your e-mail address on this form.

Title (Prof/Dr/Mr/Mrs) ........................................................................................................
First Name ...........................................................................................................................
Surname ..............................................................................................................................
Organisation .........................................................................................................................
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Fax ...........................................................................................................................................
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I suggest this announcement should also be sent to:
Name ........................................................................................................................................
Address .....................................................................................................................................
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Please indicate your intention below:
☐ I intend to submit a paper and present it.
☐ I intend to participate in the workshop, but will not submit a paper.

Collaborative Research Centre/Transregio 63

Call for Papers

7th International Berlin Workshop (IBW 7)
on
Transport Phenomena with Moving Boundaries
and More

30th – 31st October 2014
Berlin
Germany

Technische Universität Berlin, Germany
Technische Universität Dortmund, Germany
Otto-von-Guericke-Universität Magdeburg, Germany
www.inprompt.tu-berlin.de

Financial support by the Deutsche Forschungsgemeinschaft (DFG)
TOPICS
The goal of the workshop is to provide a forum for the exposure and exchange of ideas, methods and results about problems with heat, mass and momentum transfer across moving boundaries such as film flows, dispersed flows and more in liquid/liquid and gas/liquid systems etc. If problems of boiling and condensation are presented they should be of fundamental nature focussed on what is said above. Special attention of this workshop is drawn on concentration profiles. We expect papers on
• Advanced measurements and instrumentation
• Modelling
• CFD simulations
• Visualization
• Engineering applications

WHO SHOULD ATTEND
Scientists and engineers involved in the following fields:
• fluid-flow machines, hydraulic equipment and systems, power engines and processing machines
• chemical engineering apparatuses and processes
• interfacial thermodynamics
• physical and technical chemistry

ABSTRACTS AND PAPERS
Papers are invited on the topics outlined and others within the scope of the meeting. Abstracts of no more than 300 words written in English are to be submitted to the Workshop Secretariat as soon as possible, and not later than 16th June 2014. Abstracts should clearly state the purpose, results and conclusions of the work. Final acceptance will be based on the abstracts until 23rd June 2014. Deadline for submission of full-length papers is 15th August 2014.

ABOUT US
The CRC/TR 63 is engaged in the development of efficient production processes based on chemical reactions in liquid multiphase systems. A bottom-up approach is based on the reaction and leads to the overall process. A top-down approach derives individual process steps requirements from all possible process variants. Consequently, not only the reaction step but – in a holistic spirit – rather the entire process chain from raw material to the pure product is dealt with to attain an integral and fast process development. With this integrated process development in mind, the following novel methods were developed for:
  • precise identification of the kinetic and thermodynamic properties,
  • optimal design of the unit operations for reaction and separation,
  • accelerated process development and optimization.

More than 60 scientists from different universities and institutions such as Technische Universität Berlin, Technische Universität Dortmund, Otto-von-Guericke-Universität Magdeburg and Max-Planck-Institut für Dynamik komplexer technischer Systeme are involved in this network.

SCIENTIFIC COMMITTEE
Prof. Dr.-Ing. M. Kraume, Prof. Dr. S. Enders
Technische Universität Berlin, Germany
Prof. Dr.-Ing. A. Górak
Technische Universität Dortmund, Germany
Prof. Dr.-Ing. K. Sundmacher
Otto-von-Guericke-Universität Magdeburg, Germany

KEYNOTE LECTURES WILL BE PRESENTED BY
Prof. Dr. Dieter Bothe
"Mass Transfer in Pure and Contaminated Fluid Systems – Continuum Thermodynamics and Detailed Numerical Simulation“
Institute of Mathematical Modeling and Analysis, TU Darmstadt, Germany

Prof. Dr. Ampero Galindo
"Efficient Numerical Techniques for Flows with Moving Boundaries“
Department of Chemical Engineering, Imperial College, London, Great Britain

Prof. Dr. Johannes Khinast
"From Multiphase DNS to Large-scale Bioreactor Models“
Institute for Process and Particle Engineering, University of Technology Graz, Austria

Prof. Dr. Daniele Marchisio
"Beyond Simple Masstransfer Models for Polydisperse Systems with Fluidic Interfaces: A Population Dynamics Approach“
Institute of Applied Science and Technology, Politecnico di Torino, Italy

Prof. Dr.-Ing. Jadran Vrabec
"Molecular simulation of fluid phase boundaries“
Institute of Thermodynamics and Energy Technology, University of Paderborn, Germany

LOCATION, SCHEDULE, FEE
The workshop takes place at the “Magnus-Haus“. It is located in the old cultural centre of Berlin opposite the Museum Island and close to the Railway Station Friedrichstraße. The workshop starts 30th October 2014 at 12 am and ends 31st October 2014 about 5 pm. Registration fee is € 190,- incl. social event and tax. In case total costs of IBW 7 remain below total of fees for IBW 7, the participants accept that the difference will be donated to the promotion of young scientists of CRC 63 and for the scientific exchange.