

Nov 12th 2012

11:00 Welcoming of the participants and opening of the Symposium

11:15-12:45 oral session I

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1. Gerhard Kasper, Karlsruhe Institute of Technology, Germany
"Aerosol based processes for advanced materials and systems"
2. Maria Messing, Lund University, Sweden
"Engineered nanoparticles by spark discharge"
3. Mohan Sankaran, Case Western Reserve University, USA
"Continuous-flow, atmospheric-pressure microplasmas: A novel platform for aerosol synthesis"

lunch break

13:30-15:00 oral session II

1. Heike Schuchmann, Karlsruhe Institute of Technology, Germany
"Miniemulsion -based processes as platform for nanostructuring particles"
2. Andreas Voigt, Otto von Guericke-Universität Magdeburg, Germany
"Emulsion-based production of nanoparticles: Improving understanding by models and experiments"
3. Maria Paulis, The University of the Basque Country, Spain
"Obtaining organic-organic and organic-inorganic hybrids by miniemulsion polymerization."

coffee break

15:30-17:00 oral session III

1. Rainer Adelung, Christian-Albrechts-Universität zu Kiel, Germany
"Flame Transport Synthesis for the Fabrication of Nanostructure based Material systems"
2. Michele Ostraat, RTI International, USA
"Tuning optical characteristics of nanocomposites and nanofiber-based heterostructure"
3. Robert Grass, Eidgenössische Technische Hochschule ETH Zürich, Switzerland
"Gas phase derived magnetic nanoparticles on the road from lab to market"

17:00-18:30 poster session

19:30 Dinner at the Renaissance Karlsruhe Hotel

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9:30-10:30 oral session IV

1. Robin N. Klupp Taylor, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany
"Liquid phase heterogeneous nucleation for the synthesis of Janus and patchy particles"
2. Andreas Håkansson, Lund University, Sweden
"Understanding Emulsification through Hydrodynamics and Modelling"

Coffee break

11:00-12:30 oral session V

1. Thomas Kraska Universität zu Köln, Germany
"Atomistic simulation of nano particle formation in the gas phase"
2. Cyril Aymonier, Institut de Chimie de la Matière Condensée de Bordeaux, CNRS, France
"Design of advanced nanostructured materials using supercritical fluids"
3. Andreas Bräuer, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany
"Raman techniques as in situ measurement tools in process technology for particle generation"

Concluding remarks