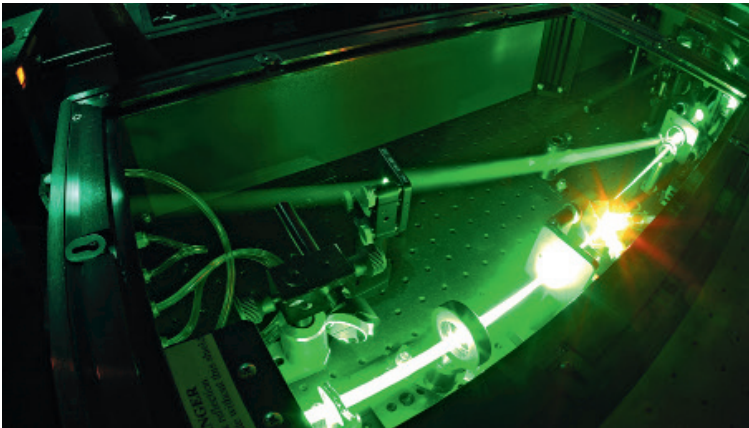


International SAOT Workshop on Optical Metrology

In situ optical diagnostics for process technology
March 23-24, 2015



Workshop Chair

Andreas Bräuer (Chair)

Stefan Will (Co-Chair)

Local Organizing Committee

Christina Ort

Susana Kress

Sebastian Luther

Preliminary Program

Monday, March 23

8:00 Registration

8:30 Welcome and Opening Remarks
PD Dr.-Ing. habil. Andreas Bräuer

8:45 Erdogan Kiran – Virginia Tech. Blacksburg, USA
“Assessment of miscibility and phase separation in polymer solutions at high pressures using transmission and scattering techniques”

9:30 Ernesto Di Maio – Università degli Studi di Napoli Federico II, Naples, Italy
“Some insight in the foaming process of polymers with CO₂ using Raman spectroscopy, photography and a magnetic suspension balance”

10:15 Coffee break

10:45 Sergei Kazarian - Imperial College London, UK
“Macro ATR-FT-IR spectroscopic imaging of dynamic processes: from polymers to microfluidics”

11:30 Cyril Aymonier – Institute de Chimie de la Matière Condensée de Brodeaux, France
“Optical diagnostics in microfluidic systems for supercritical fluid technology”

12:15 Lunch break

13:30 Ana Cubillas – Max Planck Institute for the science of light, Erlangen, Germany
“*In situ* reaction monitoring in hollow-core photonic crystal fiber microflow reactor”

14:15 Michael Buback, Universität Göttingen, Germany
“*In situ* monitoring of radical polymerization reactions via NIR and EP spectroscopy”

15:00 Ruth Signorell – ETH Zurich, Switzerland
“Spectroscopy of molecular nanoparticles, aerosols, and clusters”

15:45 Lab tour SAOT

18:00 Evening program for speakers and accompanying doctoral candidates

Tuesday, March 24

8:15 Patrick Lafond - Universität Göttingen, Germany
"Quantitative analysis of gas hydrates using Raman spectroscopy"

9:00 Judith Schicks – Helmholtz-Zentrum Potsdam, Deutsches GeoForschungsZentrum GFZ
"Investigations of clathrate hydrate formation processes using Raman spectroscopy and X-ray diffraction"

9:45 Coffee break

10:15 Björn Braunschweig – Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany
"Shedding light on hidden interfaces: Nonlinear optical spectroscopy of nanoshells and surface layers under stress"

11:00 M. van Sint Annaland – Technische Universiteit Eindhoven, Netherlands
"Optical diagnostics in fluidized beds"

11:45 Stephen Tse – Rutgers University School of Engineering, Piscataway , USA
"Laser Diagnostics in flame synthesis of nanoparticles"

12:30 Lunch break

13:45 Nonscientific program for speakers and accompanying doctoral candidate

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Conference Venue:

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