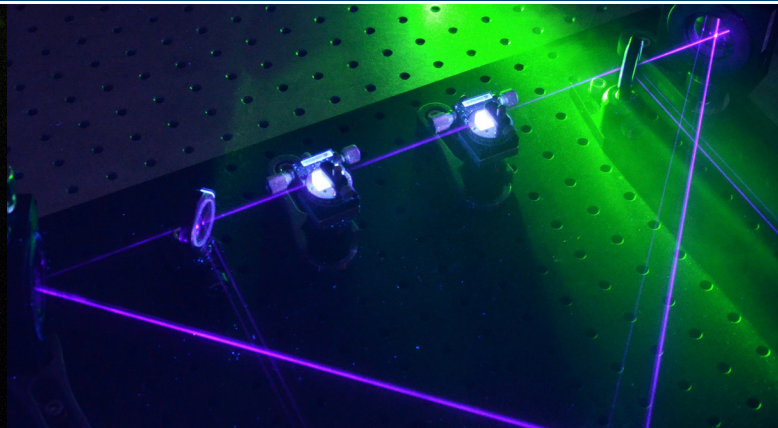
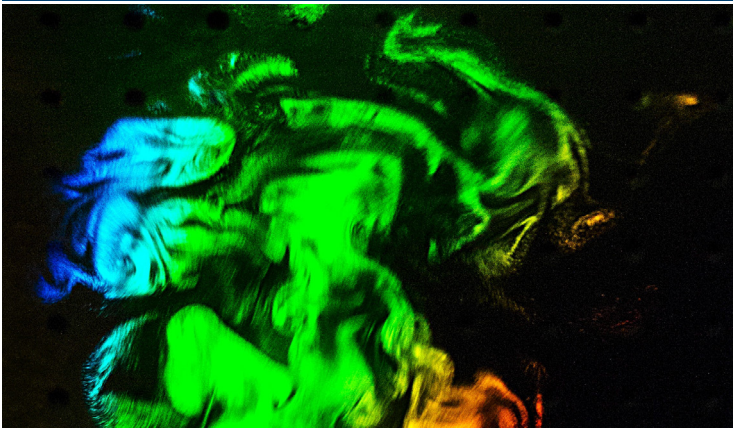


28th International SAOT Workshop

Optical Particle Characterization
April 03 – 04, 2017



Workshop Chair

Prof. Dr.-Ing. Stefan Will (Chair)

Dipl.-Phys. Franz Huber (Co-Chair)

Local Organizing Committee

Ms. Christina Ort

Dipl.-Ing. Joana Stümpfig Barrinho

Florian Bauer, M. Sc



erlangen graduate school in
advanced optical technologies

Preliminary Program

Monday, April 3

8:00 Registration

8:30 Stefan Will - FAU Erlangen-Nürnberg, Germany
Welcome and Opening Remarks

8:45 Christopher M. Sorensen – Kansas State University, USA
“Light Scattering by Particles. The View from Q-Space”

9:30 Thomas Wriedt – University of Bremen, Germany
“Light Scattering Theory for Particle Characterization”

Coffee Break

10:45 Jérôme Yon – University of Rouen, France
“Soot characterization by coupling optical and non-optical techniques”

11:30 Kyle J. Daun – University of Waterloo, Canada
“Inverse Analysis for Laser-based nanoparticle diagnostics”

Lunch Break

13:15 Per-Erik Bengtsson - Lund University, Sweden
“Optical Properties of Soot Particles related to Maturity; In-Situ and Postflame Measurements”

14:00 Cameron Tropea - TU Darmstadt, Germany
“The Phase Doppler Measurement Technique: Fundamentals, Limitations and Recent Developments”

14:45 Stephen Tse - Rutgers University, USA
“Investigating Nanomaterials Growth Mechanisms using In-Situ Laser-Based Diagnostics”

End of Sessions

16:00 Evening program
Transfer to Nuremberg, guided city tour, dinner in Nuremberg and transfer back to Erlangen

Tuesday, April 4

8:30 Hermann Nirschl - Karlsruhe Institute of Technology, Germany
"Small Angle X-Ray Scattering (SAXS) for Particle Characterization"

9:15 Oliver Reich – University of Potsdam, Germany
"Photon Density Wave Spectroscopy - Optical Particle Characterization
in the Multiple Scattering Regime"

Coffee Break

10:30 Doris Segets – FAU Erlangen-Nürnberg, Germany
"Characterization of Functionalized Particles by Spectroscopic Techniques:
Access to Solid Core and Ligand Shell"

11:15 Frank Scheffold – University of Fribourg, Switzerland
"Light Scattering in Turbid Suspensions"

End of Sessions
Lunch break

13:00 Transfer to the Institute of Engineering Thermodynamics and Labtour

End of the 28th International SAOT Workshop

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Conference Venue:

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