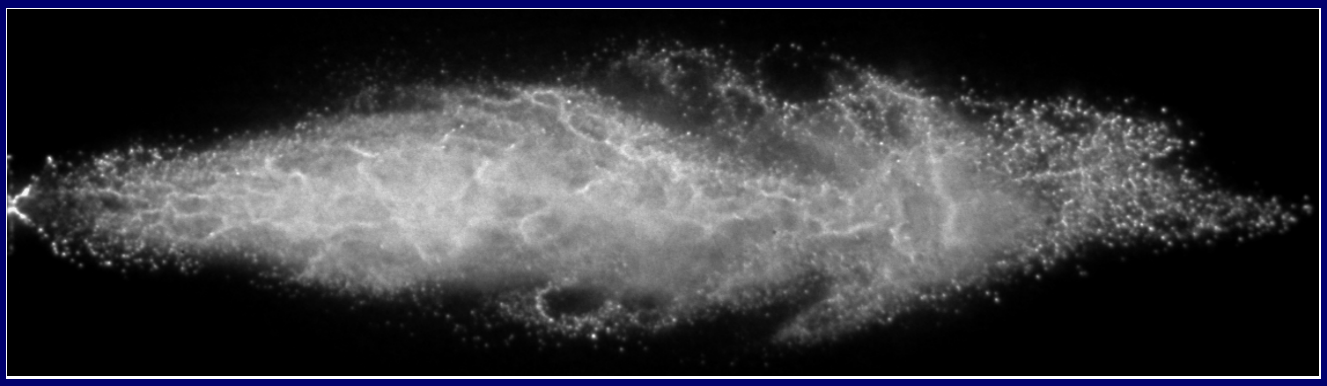
Friedrich-Alexander-Universität
Erlangen-Nürnberg

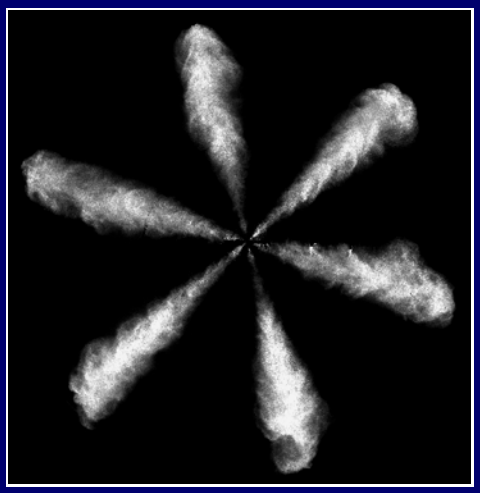
SAOT
erlangen
graduate school in
advanced optical technologies

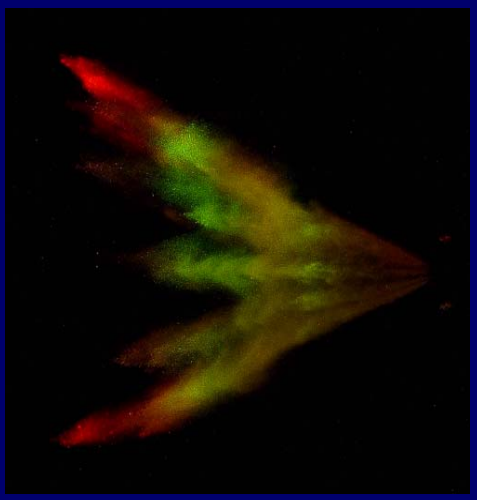
10th International SAOT Workshop on Optical Metrology

"Spray Diagnostics"

October 12-13, 2010
Erlangen, Germany







Workshop Chair:

Prof. Dr.–Ing. Alfred Leipertz (Chair)
Dr.-Ing. Andreas Bräuer (Co-Chair)

Local Organizing Committee:

Dipl.-Ing. Robert Hankel, Ms. Christina Ort

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Preliminary Program

	Tuesday, October 12
08:30	Registration
09:00	Welcome and Opening Remarks *Leipertz, Alfred*
09:15	*Leipertz, Alfred* – University Erlangen – Nuremberg, Germany The Erlangen Graduate School in Advanced Optical Technologies (SAOT)
09:35	*Wang, Jin* – Argonne National Laboratories, USA “Breakup of diesel and biodiesel jets by ultrafast single-shot x-ray phase-contrast imaging”
10:25	Coffee break
10:50	*Linne, Mark* - Chalmers University of Technology, Sweden ”Ballistic Imaging in Sprays”
11:40	*Berrocal, Eduard* – Lund University, Sweden “Structured Laser Illumination Planar Imaging”
12:30	Lunch
13:30	*Beyrau Frank* – Imperial College London, UK “Raman and CARS spectroscopy for gas phase analysis "
14:20	*Grisch, Frederic* – Office National d'Etudes et de Recherches Aérospatiales, France “Heat and mass transfer analysis with different LIF techniques”
15:20	Bus transfer
15:30	Lab tour “Institute of Engineering Thermodynamics (LTT)”
16:45	Bus transfer to the hotel

	Evening Program (*)
17:30	Bus transfer to Bamberg
18:15	"The Night Watchman‘s Call" Guided City Tour through the World Cultural Heritage Site Bamberg
19:30	Dinner in Bamberg
22:30	Bus transfer to Erlangen
	(*) Applications are welcome (only restricted attendance possible)

	Wednesday, October 13
09:00	*Meyer, Terrence* – Iowa State University, USA “2D drop sizing and vapour distribution by using Fluorescence, Phosphorescence and Mie scattering”
09:35	*Leipertz, Alfred* – Universität Erlangen-Nuremberg, Germany „2D drop sizing using Mie and Raman scattering”
10:00	*Hardalupas, Yannis* – Imperial College London, UK „Interferometric laser imaging droplet sizing (ILIDS)”
10:50	Coffee break
11:20	*Reid, Jonathan* – University of Bristol, UK “Resonance Raman and LIF at droplets for composition and size analysis”
12:00	*Braeuer, Andreas* – University Erlangen-Nuremberg, Germany “Optical techniques to analyze supercritical process sprays for particle generation”
12:50	Lunch
13:40	*Wigley, Graham* – Loughborough University , UK „A comparison between one and two component velocity and size measurements”
15:00	End of Workshop

Bamberg

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Conference Venue:
Kurssaal I
Cauerstraße 4, 91058 Erlangen