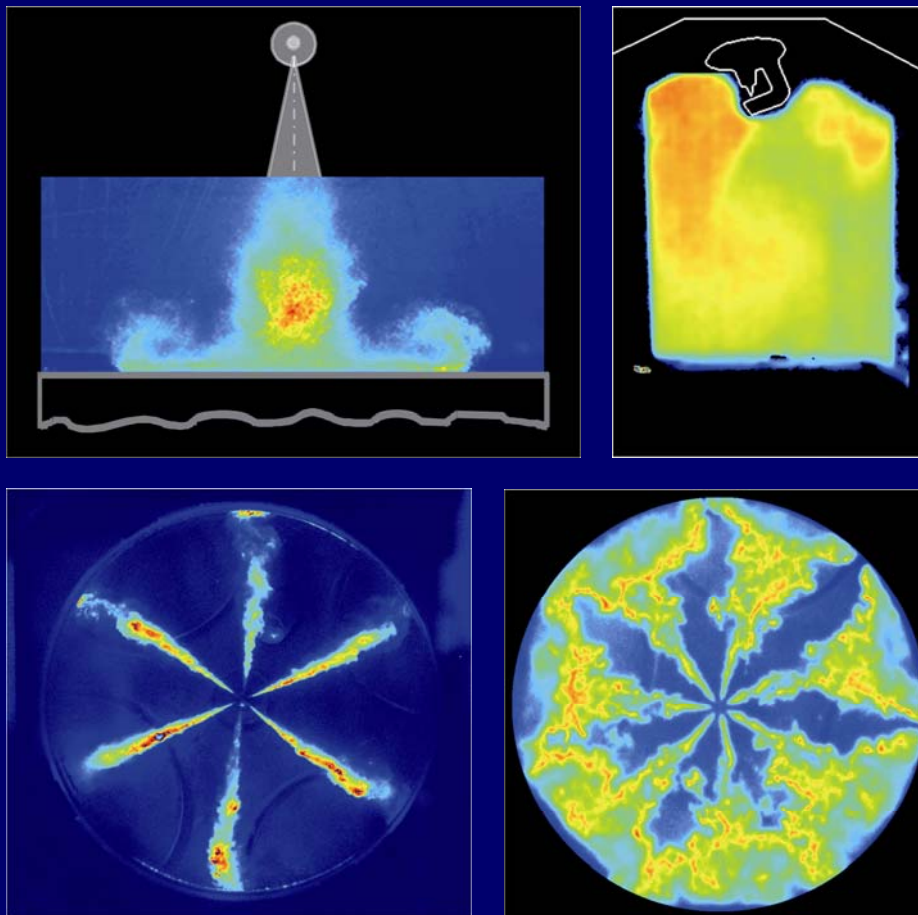


12th International SAOT Workshop on Optical Metrology

“Optical Engine Diagnostics”

March 28-29, 2011
Erlangen, Germany



Workshop Chair:

Prof. Dr.-Ing. Alfred Leipertz (Chair)
Prof. Dr.-Ing. Michael Wensing (Co-Chair)

Local Organizing Committee:

Lars Zigan, M.Sc. (Chair)
Dipl.-Ing. Johannes Kuhl, Dipl.-Ing. Johannes Trost,
Ms. Christina Ort, Ms. Susanna Kress

----- Program -----

Preliminary Program

	Monday, March 28
08:30	Registration
09:00	<i>Leipertz, Alfred</i> – University of Erlangen-Nuremberg, Germany Welcome, Opening Remarks and Brief Introduction into SAOT
09:20	<i>Wigley, Graham</i> – Loughborough University, UK “Design Criteria for the Lotus Optical Engine”
09:45	<i>Lutz, Michael</i> – ESYTEC GmbH, Erlangen, Germany “The LTT High-Temperature/High-Pressure Injection and Combustion Chamber”
10:10	Coffee break
10:40	<i>Peterson, Benjamin</i> – Sandia National Laboratories, USA “Jet and Engine Flow Studies Applying Ruby and Rare Earth Phosphor Particles”
11:30	<i>Sick, Volker</i> – University of Michigan, Ann Arbor, USA “Proper Orthogonal Decomposition Analysis of High-Speed Imaging Data for IC Engine Research”
12:20	Lunch break
13:20	<i>Miles, Paul</i> – Sandia National Laboratories, Livermore, USA “Spectrally-resolved Multi-photon CO and UHC LIF Diagnostics in Engines”
14:10	<i>Corcione, Felice</i> – CNR-Instituto Motori, Naples, Italy “Optical Investigation of Premixed Low-temperature Combustion of Fuel Blends in Compression Ignition Engines”
15:00	<i>Hardalupas, Yannis</i> – Imperial College London, UK “Optical connectivity technique for studies of primary atomisation of liquid jets”
15:50	Bus transfer
16:00	Lab tour “Institute of Engineering Thermodynamics (LTT)”
17:30	Bus transfer to the hotel

	Evening Program (*)
18:15	"The Night Watchman's Call" Guided City Tour through the dark corners of Erlangen
19:30	Dinner in Erlangen

(*) Applications are welcome (only restricted attendance possible)

	Tuesday, March 29
09:00	<i>Lai, Ming-Chia</i> – Wayne State University, Detroit, USA “Spray Visualization of Automotive Injectors and their Implication to Design Improvement”
09:50	<i>Wigley, Graham</i> – Loughborough University, UK “Image Processing and Phase Doppler Data Analysis Techniques for Understanding the Interaction of Multiple Transient Sprays”
10:30	Coffee break
11:00	<i>Gavaises, Manolis</i> – City University London, UK “Transient and Mean Cavitation Structures in Diesel Injectors”
11:50	<i>Wang, Jin</i> – Argonne National Laboratories, USA “Visualizing Near-Nozzle Morphology of Diesel and Gasoline Sprays using Ultrafast X-ray Microimaging”
12:40	Lunch break
13:40	<i>Zigan, Lars</i> – University of Erlangen-Nuremberg, Germany “Analysis of Fuel Property Effects on Jet Breakup of a DISI Injector by Microscopic Mie Imaging”
14:30	End of Workshop

	Afternoon Program (**)
15:00	Lab tour SAOT and LTT Test Center Nuremberg
16:00	Visit Nuremberg Castle and Old Town
18:00	Dinner at a Franconian Restaurant

(**) For invited speakers only



Erlangen



“Optical Engine Diagnostics”

Conference Venue:
Hans-Georg Waeber-Saal
Schottkystrasse 10, 91058 Erlangen

