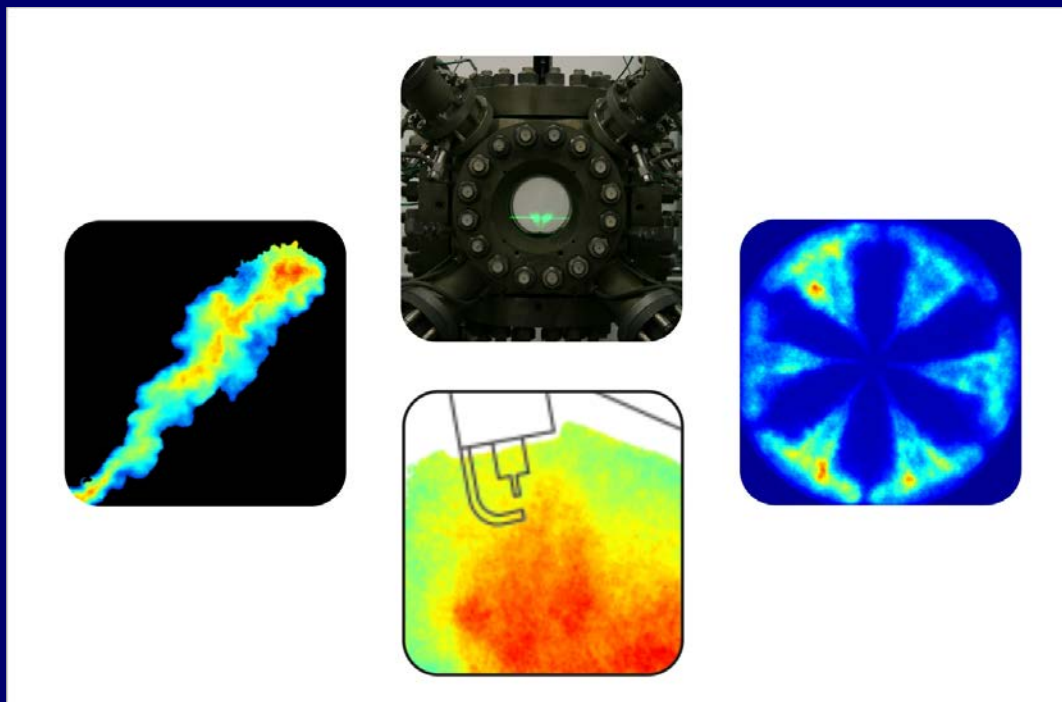


22nd International SAOT Workshop on Optical Metrology

“Optical Spray & Engine Diagnostics”

March 16-17, 2015
Erlangen, Germany



Workshop Chair:

Prof. Dr.-Ing. Dr. h. c. Alfred Leipertz (Chair)
Prof. Dr.-Ing. Stefan Will (Co-Chair)
Dr.-Ing. Lars Zigan (Co-Chair)

Local Organizing Committee:

Dipl.-Ing. Susanne Lind (Chair),
Dipl.-Wirt.-Ing. Michael Storch,
Mrs. Christina Ort, Mrs. Susana Kress

----- Program -----

Monday, March 16	
08:30	Registration
08:45	<i>Zigan, Lars</i> – University of Erlangen-Nuremberg, Germany Welcome and Opening Remarks
09:00	<i>Linne, Mark</i> – University of Edinburgh, Scotland, UK “Advances in ballistic imaging and its use in spray research”
10:00	Coffee break
10:30	<i>Berrocal, Edouard</i> – Lund University, Lund, Sweden ”Spray diagnostics using structured laser illumination planar imaging”
11:20	<i>Manin, Julien</i> – CRF, Sandia National Laboratories, CA, USA “Time-resolved measurements of soot processes in high-pressure spray flames using dual-wavelength diffused back-illumination imaging”
12:20	Lunch break
13:00	<i>Sick, Volker</i> – University of Michigan, Ann Arbor, MI, USA “Plenoptic imaging of sprays”
14:00	<i>Zigan, Lars</i> – University of Erlangen-Nuremberg, Germany “Study of mixture composition and temperature distribution using laser-induced fluorescence of tracer mixtures”
15:00	<u>Special Contribution:</u> <i>Huang, Zhen</i> – Shanghai Jiao Tong University, China “Fuel Design for Engine Combustion Control”
15:45	Transfer to Hotel and Nuremberg (for Speakers)

Evening Program (*)	
17:00	Guided Tour in Nuremberg (Old Town)
18:30	Dinner in Nuremberg (Restaurant ”Zum Spießgesellen”)

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

Tuesday, March 17	
09:00	<i>Miles, Paul</i> – CRF, Sandia National Laboratories, CA, USA “A History of the development of optical research engines and the important technical advances that have enabled more realistic operation”
10:00	<i>Wensing, Michael</i> – University of Erlangen-Nuremberg, Germany “Injection and combustion investigations in constant volume chambers”
10:50	Coffee break
11:20	<i>Ewart, Paul</i> – Oxford University, Oxford, UK “High precision measurements of in-cylinder temperature using Laser Induced Grating Techniques”
12:15	<i>Peterson, Brian</i> - University of Edinburgh, Scotland, UK “Advancing diagnostic methodologies towards multi-dimensional and volumetric measurements for IC engine research”
13:15	Lunch break
14:00	<i>Kaiser, Sebastian</i> – University of Duisburg-Essen, Duisburg, Germany “Not all metal, not all glass - optical measurements in real-life engines”
15:00	<i>Zhang, Yuyin</i> – Shanghai Jiao Tong University, China “A laser absorption/scattering imaging technique for multi-component fuel vapour and droplet distributions”
16:00	Coffee break
16:30	For invited speakers: Transfer and Visit of LTT Labs in Erlangen and Test Centre Nuremberg
18:30	Transfer to Erlangen



“Optical Engine Diagnostics”

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

