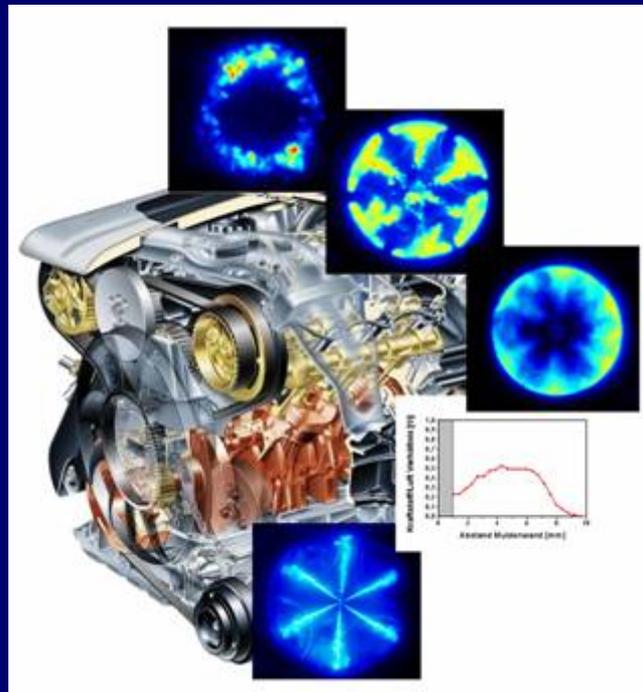


5th International SAOT Workshop on Optical Metrology

“Optical diagnostics for
engine combustion research”

March 23-24, 2009
Erlangen, Germany



Workshop Chair:

Prof. Dr.-Ing. Alfred Leipertz

Local Organizing Committee:

Dr.-Ing. Andreas Bräuer (Chair), Ms. Christina Ort

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Preliminary Program

Monday, March 23	
08:30	<i>Registration</i>
09:00	Welcome and Opening Remarks <i>Leipertz, Alfred</i>
09:15	<i>Leipertz, Alfred</i> – University Erlangen – Nuremberg, Germany The Erlangen Graduate School in Advanced Optical Technologies (SAOT)
09:45	<i>Arcoumanis, Dinos</i> – City University London, UK “Investigation of cavitation in fuel injection systems using optical measurement techniques”
10:35	Coffee break
11:00	<i>Wang, Jin</i> – Argonne National Laboratories, USA “Breakup of diesel and biodiesel jets by ultrafast single-shot x-ray phase-contrast imaging”
11:50	<i>Bruneaux, Gilles</i> – IFP, Rueil-Malmaison, France “Detailed analysis of diesel jet combustion by laser-induced fluorescence techniques”
12:40	Lunch
13:30	<i>Sjoberg, Magnus</i> – Sandia National Laboratories Livermore, USA “Metal and optical engine experiments combined with chemical-kinetics modeling for understanding high-load HCCI operation”
14:20	<i>Wensing, Michael</i> – LTT University Erlangen – Nuremberg, Germany “Optical investigation of DI Diesel jets and Diesel engine combustion”
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)

Tuesday, March 24	
09:00	<i>Corcione, Felice</i> – CNR Instituto Motori Naples, Italy “Optical engine diagnostics at Instituto Motori Naples”
09:50	<i>Drake, Michael</i> – General Motors R & D, Warren, Michigan, USA “Designer optical diagnostics: Automotive engine development”
10:40	Coffee break
11:10	<i>Sick, Volker</i> – University of Michigan, Ann Arbor, USA “Status and future of tracer LIF”
12:00	<i>Kaiser, Sebastian</i> – Sandia National Laboratories Livermore, USA “Precision and accuracy of acetone tracer-LIF in a hydrogen engine”
12:50	Lunch
13:50	<i>Bräuer, Andreas</i> – LTT University Erlangen- Nuremberg, Germany “Engine research by Raman measurements”
14:40	End of Workshop



Bamberg



