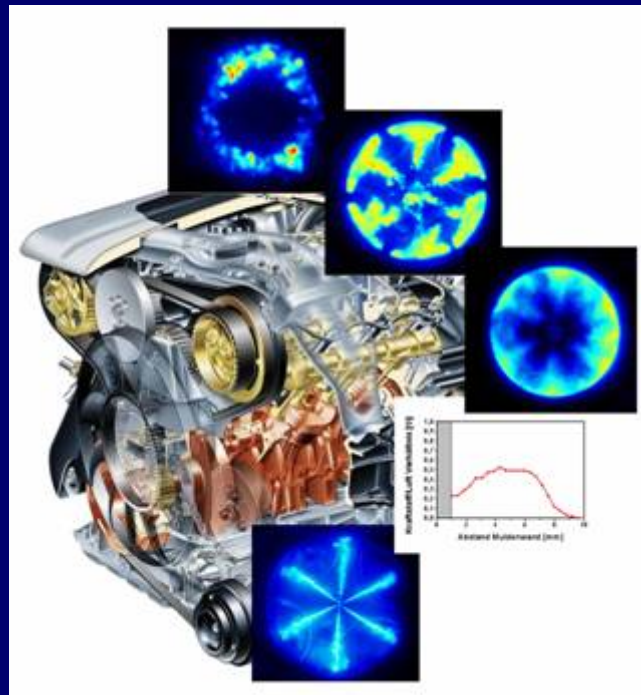


5th International SAOT Workshop on Optical Metrology

"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

----- Program -----

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



"Optical diagnostics for engine combustion research"

Conference Venue:
Hans-Georg Waeber-Saal
Schottkystraße 10 91058 Erlangen

