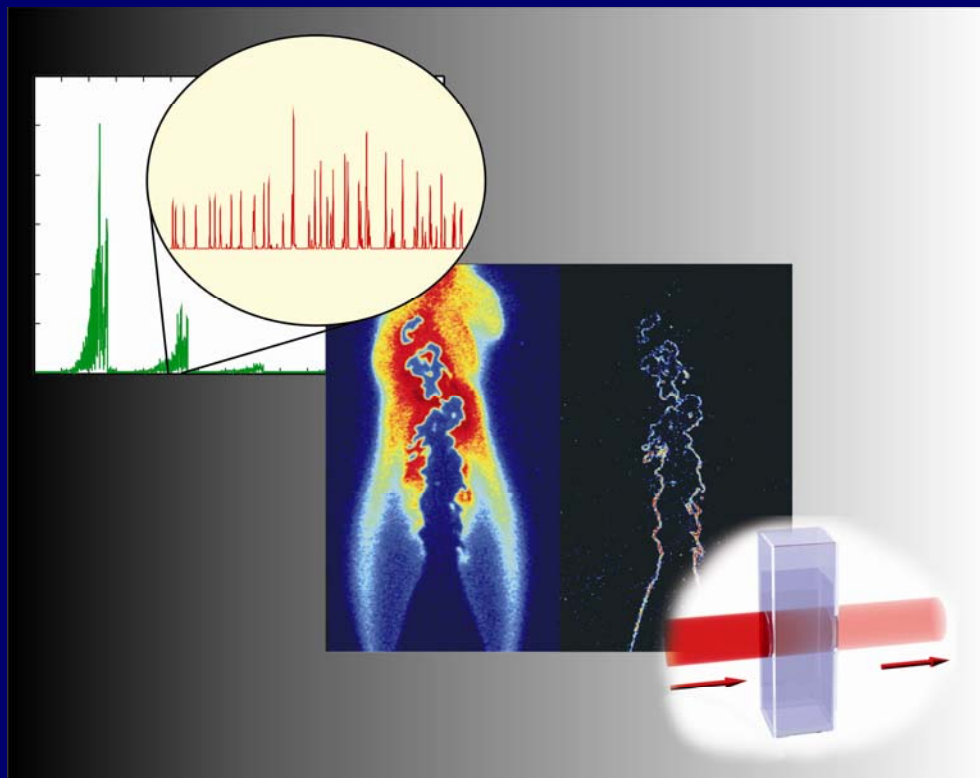


7th International SAOT Workshop on Optical Metrology

"Absorption and Emission Spectroscopy"

July 15-16, 2009
Erlangen, Germany



Workshop Chair:

Prof. Dr.-Ing. Alfred Leipertz, Dr.-Ing. Johannes Kiefer

Local Organizing Committee:

Dipl.-Ing. Kristina Noack (Chair), Ms. Christina Ort

----- Program -----

Preliminary Program

| | Wednesday, July 15 |
|-------|---|
| 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) |
| 09:30 | <i>Greg Smallwood</i> – National Research Council Canada Laser-Induced Incandescence (LII) – Fundamentals, Potentials and Applications |
| 10:20 | Coffee break |
| 10:40 | <i>Ronald Hanson</i> – Stanford University, United States Tunable Diode Laser Sensing in Harsh Environments: Applications to Propulsion and Combustion |
| 11:30 | <i>Nilesh Vasa</i> – Indian Institute of Technology Madras, India Gas Sensors based on Difference-frequency Generation and Super-luminescent Diode for Combustion Monitoring |
| 12:20 | Lunch |
| 13:20 | <i>Bernhard Adams</i> – Argonne National Laboratory, United States X-Ray Absorption - Fundamentals and Applications |
| 14:10 | <i>Christof Schulz</i> – University Duisburg-Essen, Germany Laser-Induced Fluorescence (LIF) - Fundamentals and its Application for Temperature Determination |
| 15:00 | Coffee break |
| 15:20 | <i>Katharina Kohse-Höinghaus</i> – University Bielefeld, Germany Combustion Chemistry Diagnostics by Chemiluminescence, Cavity Ring Down Spectroscopy and Laser-Induced fluorescence |
| 16:15 | Bus transfer to Tennenlohe and Lab Tour at LTT |
| 18:00 | Bus transfer to Erlangen |

| | Evening Program (*) |
|-------|--|
| 18:30 | "The Night Watchman's Call" Guided city tour through the dark corners of Erlangen |
| 20:00 | Dinner in Erlangen (*) |
| ??:?? | Open End |

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

| | Thursday, July 16 |
|-------|---|
| 09:00 | <i>Yannis Hardalupas</i> – Imperial College London, United Kingdom Quantitative Fuel-Air-Ratio Measurements Using Flame Chemiluminescence in Gas Turbine Combustors and Spark Ignition Engines |
| 09:50 | <i>Paul Ewart</i> – University of Oxford, United Kingdom Laser-Induced Thermal Gratings: Fundamentals and Air-Fuel-Ratio Measurements |
| 10:40 | Coffee break |
| 11:00 | <i>Madhavi Martin</i> – Oak Ridge National Laboratory, United States Laser-Induced Breakdown Spectroscopy: Fundamentals and Selected Applications |
| 11:50 | <i>Clemens Kaminski</i> – University of Cambridge, United Kingdom Looking into living cells |
| 12:40 | Lunch |
| 13:40 | <i>Wolfgang Peukert</i> – University Erlangen–Nuremberg, Germany Particle Sizing Using UV/VIS Absorption Spectroscopy |
| 14:30 | End of Workshop |
| 14:50 | Bus transfer to MPI and Lab Tour |
| 16:00 | Bus transfer to Nuremberg (Castle and Dinner) |



Erlangen



"Absorption and Emission Spectroscopy"

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

