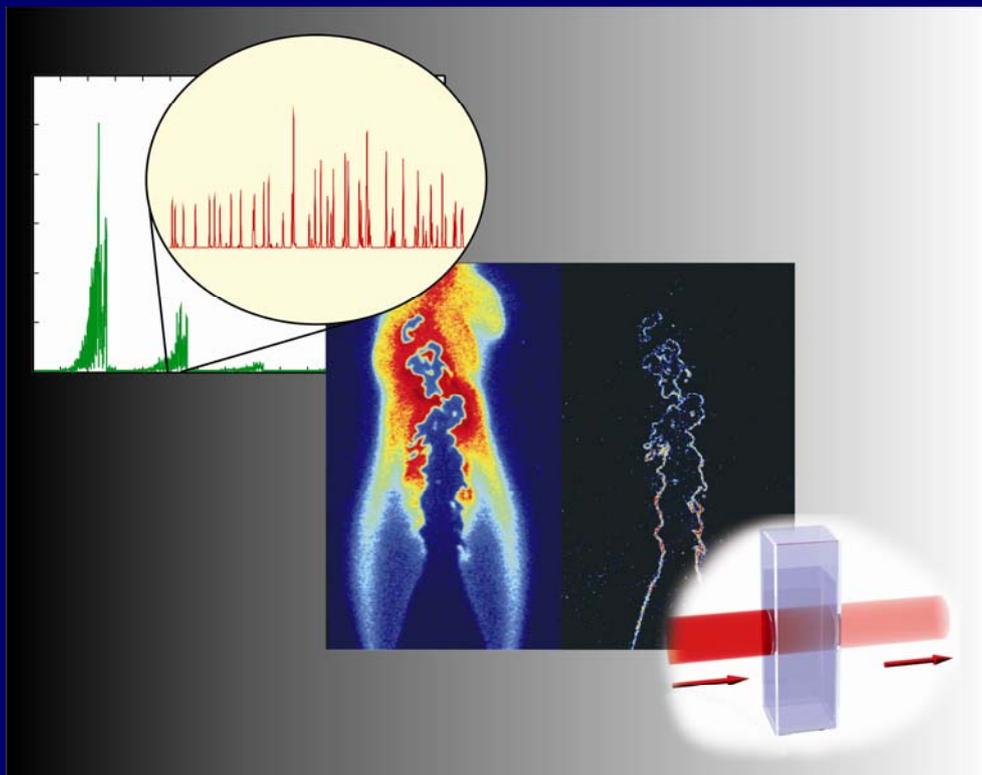


7th International SAOT Workshop on Optical Metrology

"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

