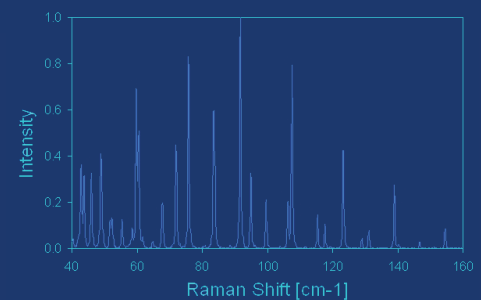
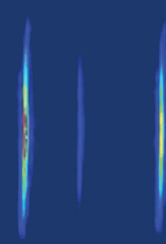
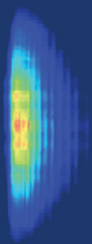


3rd International SAOT Workshop on Optical Metrology

“Non-Linear Spectroscopy”

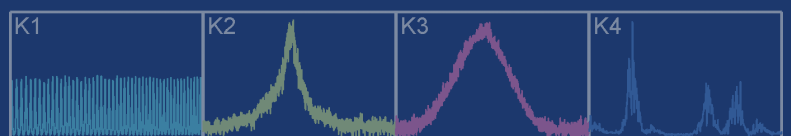
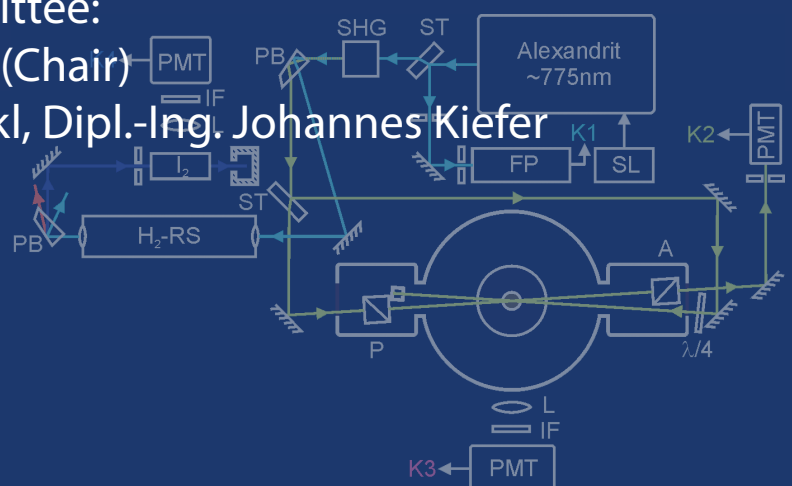
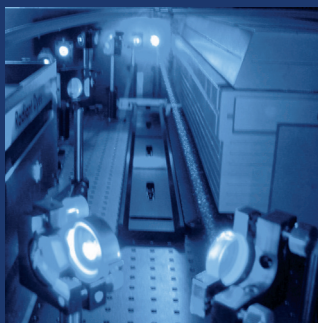
May 22-23, 2008
Erlangen, Germany



Workshop Chair:
Akad. Oberrat Priv.-Doz. Dr.-Ing. Thomas Seeger

Local Organizing Committee:
Dr.-Ing. Andreas Bräuer (Chair)
Dipl.-Ing. Markus C. Weigl, Dipl.-Ing. Johannes Kiefer

Program



	Wednesday, May 21
19:30	Arrival and Welcome Reception for Speakers & Accompanying Persons

	Thursday, May 22
08:00	<i>Registration</i>
08:30	Opening Remarks <i>Thomas Seeger, Chair</i>
08:40	<i>Alfred Leipertz, University Erlangen-Nuremberg</i> "The Erlangen Graduate School in Advanced Optical Technologies (SAOT)"
09:00	<i>Aleksei Zheltikov, Lomonosov Moscow State University, Russia</i> "Non-Linear Optics and Highly Non-Linear Waveguides"
10:00	Coffee break
10:15	<i>Per-Erik Bengtsson, Lund University, Sweden</i> "Coherent Anti-Stokes Raman Spectroscopy for Combustion Diagnostics"
11:15	<i>Robert P. Lucht, Purdue University, USA</i> "Ultrafast Non-Linear Optical Diagnostic Techniques for Gases"
12:15	Lunch
13:15	<i>Richard Chang, Yale University, USA</i> "Non-Linear and Linear Optical Interactions in Microparticles: Droplets and Aerosols"
14:15	<i>Gustav Schweiger & Thomas Weigel, Ruhr-University Bochum, Germany</i> "Resonances in Microdroplets: The Geometrical Optics Interpretation"
15:15	<i>Wolfgang Peukert, University Erlangen-Nuremberg</i> "The Next Step in Particle Characterization: Probing Embedded Particle Surfaces by Means of Non-Linear Spectroscopy"
15:35	<i>Thomas Seeger & Markus C. Weigl, University Erlangen-Nuremberg</i> "Laser Induced Gratings: Strategies for Gas Phase Diagnostics"
16:00	Bus transfer
16:15	Lab tour "Department of Engineering Thermodynamics (LTT)"
17:15	Bus transfer to the hotel

	Evening Program (*)
18:00	Bus transfer to Bamberg
19:00	"The Night Watchman's Call" Guided City Tour through the World Cultural Heritage Site Bamberg
20:30	Dinner in Bamberg
22:45	Bus transfer to Erlangen

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

	Friday, May 23
09:00	<i>Arnulf Materny, Jacobs University Bremen, Germany</i> "Non-Linear Optical Spectroscopy in the Time Domain - Access to Ultrafast Molecular and Reaction Dynamics"
10:00	<i>Peter Barker, University College London, United Kingdom</i> "Coherent Rayleigh Scattering"
11:00	Coffee break
11:15	<i>Marcus Motzkus, Philipps University Marburg, Germany</i> "Coherent Control of Non-Linear Microspectroscopy"
12:15	<i>Hiro-o Hamaguchi, University of Tokyo, Japan</i> "Raman Spectroscopy: Its Width and Depth"
13:15	Lunch
14:00	Bus transfer
14:10	Lab tour Max Planck Research Group "Institute of Optics, Information & Photonics"
15:30	Departure



Bamberg



The Figures on the front page are courtesy of:
Thomas Seeger, Johannes Kiefer and Markus Weigl

“Non-Linear Spectroscopy”

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

