



11th International SAOT Workshop on Laser Based Micromanufacturing

January 10th - 11th, 2011

Erlangen, Germany

Workshop Chair:

Prof. Michael Schmidt

Workshop Programme

Monday, January 10	
8.30 am – 9.00 am	Reception
9.00 am – 9.15 am	<i>Opening Remarks</i> <u>M. Schmidt</u> , University of Erlangen Nuremberg, Germany
9.15 am – 10.05 am	<i>3D Metamaterials and Plasmonic Structures</i> <u>H. Giessen</u> , University of Stuttgart, Germany
10.05 am – 10.20 am	Coffee break
10.20 am – 11.10 am	<i>RF Metamaterials</i> <u>M. Wiltshire</u> , Imperial College London, Great Britain
11.10 am – 12.00 pm	<i>From THz to X-rays: Unconventional Approaches to Study Laser Micro-machining</i> <u>T. Ozaki</u> , University of Québec, Canada
12.00 pm – 12.55 pm	Lunch
12.55 pm – 1.45 pm	<i>TBA</i> <u>S. Nolte</u> , University of Jena, Germany
1.45 pm – 2.35 pm	<i>Surface Engineering by Laser Ablation and Modification</i> <u>A. Ostendorf</u> , Ruhr-Universität Bochum, Germany
2.35 pm – 2.50 pm	Coffee break
2.50 pm – 3.40 pm	<i>Optical Near Fields of Nano-objects: Characterization and Surface Structuring</i> <u>P. Leiderer</u> , University of Konstanz, Germany
3.40 pm – 4.30 pm	<i>Application of Ultrafast Lasers for Modern Photonic Technologies</i> <u>I. Alexeev</u> , University of Erlangen-Nuremberg, Germany

Evening Programme	
5.50 pm	Bus to Nuremberg leaves at Unicum
6.00 pm	Bus to Nuremberg leaves at Hotel Altmannstube
6.30 pm	Guided tour in the historic centre of Nuremberg (*)
8.00 pm	Dinner at the Albrecht-Dürer-Stube in Nuremberg (*)

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



Nuremberg

Guided tour through Nuremberg city at night with the “Lebküchlerin” and dinner at the Albrecht-Dürer-Stube.

Tuesday, January 11	
8.30 am – 9.20 am	<i>Laser Processing and Chemistry: Applications in Nanopatterning, Material Synthesis and Biotechnology</i> D. Bäuerle, University of Linz, Austria
9.20 am – 10.10 am	<i>Femtosecond Laser Nanoprocessing and Plasmonics: Fundamentals and Biomedical Applications</i> M. Meunier, École Polytechnique de Montréal, Canada
10.10 am – 10.25 am	Coffee break
10.25 am – 11.15 am	<i>Nanophotonics with Two Photon Polymerization and Laser Induced Transfer</i> B. N. Chichkov, Leibniz Universität Hannover, Germany
11.15 am – 12.05 pm	<i>Three-dimensional Diffraction-unlimited Direct-laser-writing Optical Lithography</i> M. Wegener, Karlsruhe Institute of Technology, Germany
12.05 pm – 1.00 pm	Lunch
1.00 pm – 1.50 pm	<i>Materials Issues in Micromanufacturing with Emphasis on Laser-based Additive Manufacturing</i> D. Bourell, University of Texas, USA
1.50 pm – 2.40 pm	<i>Integrated Approach to Study Selective Laser Melting: Parametric Analysis, Modelling, Optical Diagnostics</i> I. Smurov, École Nationale d'Ingénieurs de Saint-Etienne, France
2.40 pm – 2.55 pm	Coffee break
3.15 pm – 4.15 pm	Lab Tour at LPT and blz
4.15 pm	End of Workshop