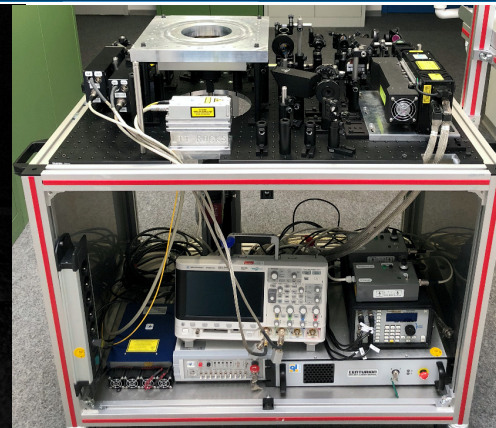
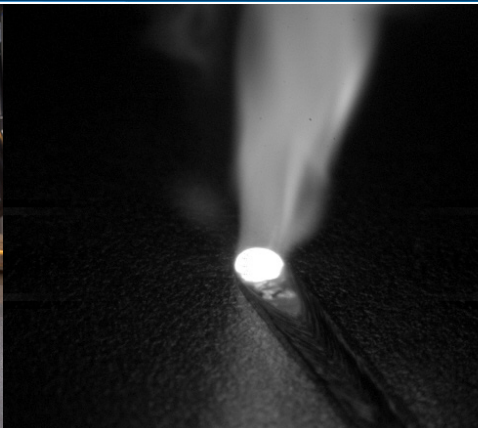
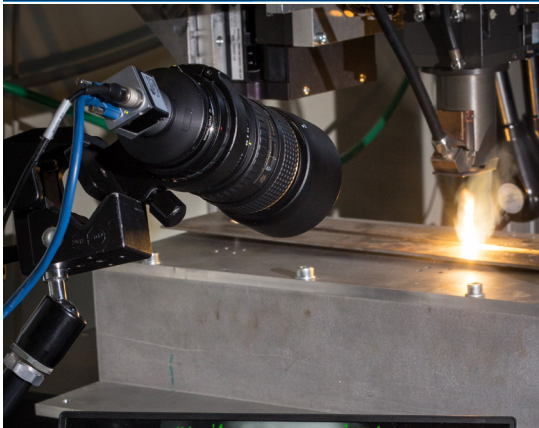


31th International SAOT Workshop

Optical Sensing for Measurement and Process Control
May 8-9, 2019



Workshop Chairs

Prof. Dr.-Ing. Michael Schmidt

Prof. Dr.-Ing. Stefan Will

Prof. Dr. Tino Hausotte

Local Organizing Committee

Dr.-Ing. Franz Huber

M. Sc. Tobias Staudt

M. Sc. Sebastian Metzner

Dr. Johannes Knorr

Annika Kern



erlangen graduate school in
advanced optical technologies

Program

Wednesday, May 8, 2019

- | | |
|-------------|---|
| 12:30-13:00 | Registration |
| 13:00-13:10 | Opening Remarks |
| 13:10-14:00 | Martin, Haydn (University of Huddersfield)
“Embedding sensors in high value manufacturing” |
| 14:00-14:50 | Frosz, Michael (MPL Erlangen)
“Fabrication and noninvasive real-time structural measurement of hollow-core photonic crystal fibres” |
| 14:50-15:20 | Coffee Break |
| 15:20-16:10 | Köhler, Michael (TU Ilmenau)
“Particle-Based Optical Sensing – Principles, Applications and Visions” |
| 16:10-17:00 | Witt, Wolfgang (Sympatec GmbH)
“Particle size and shape analysis for laboratory and process environment by optical methods” |

Evening Program

- | | |
|-------|---|
| 17:30 | Departure to Bamberg (bus will start at workshop venue) |
| 18:30 | Guided city tour |
| 19:30 | Dinner at ‘Schlenkerla’ |
| 22:30 | Arrival in Erlangen (bus will stop at city center and workshop venue) |

Thursday, May 9, 2019

9:00-9:50 **Krakhmalev, Pavel** (Karlstad University)
“Qualification and functionalization of Ti-base AM alloys for biomedical applications”

9:50-10:20 Coffee Break

10:20-11:10 **Su, Rong** (University of Nottingham)
“Data-enhanced optical manufacturing metrology”

11:10-12:00 **Häusler, Gerd** (FAU Erlangen)
“Optical 3D-Sensors – Concepts, Limits, Applications”

12:00-13:00 Lunch Break

13:00-13:50 **Schake, Markus** (University of Kassel)
“Theory and applications of interferometric devices for surface phase retrieval”

13:50-14:40 **Brock, Christian** (OPTOCRAFT GmbH)
“Shack-Hartmann wavefront metrology for optics testing and laser beam characterization”

14:40-15:00 Coffee Break

15:30-16:30 Start of Lab Tour – round 1

16:45-17:45 Start of Lab Tour – round 2

Contact:

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Workshop hotline (May 8-9, 2019):

+49 (0)172 / 6182798

Conference Venue:

Hans-Georg-Waeber-Saal

Fraunhofer IISB

Schottkystr. 10

91058 Erlangen

