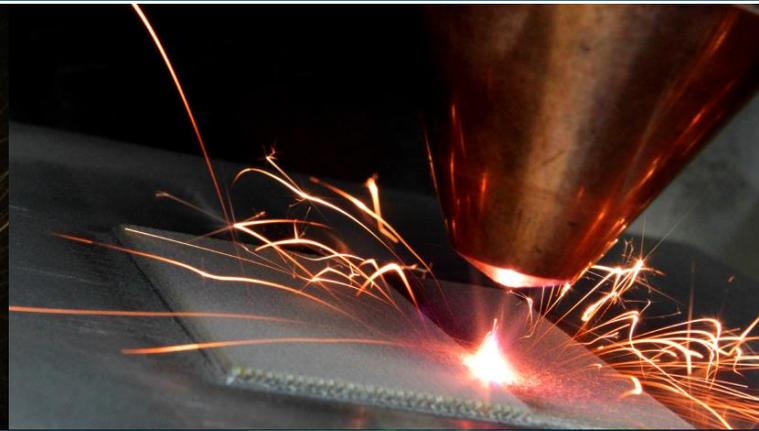
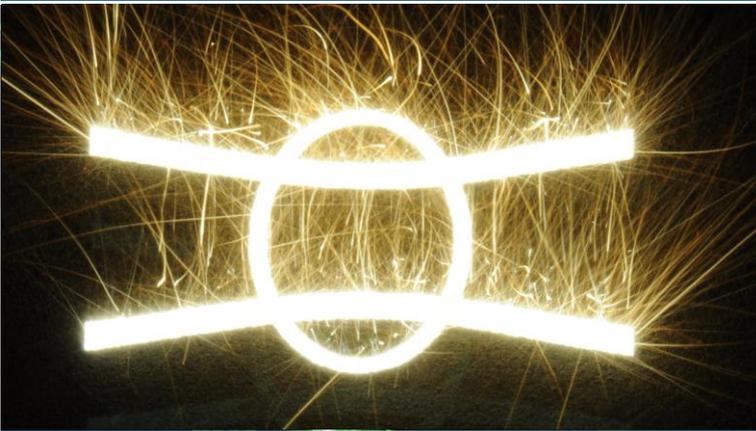


25th International SAOT Workshop on Laser Based Additive Manufacturing

November 23 – 24, 2015



Workshop Chair

Prof. Dr.-Ing. Michael Schmidt

Local Organizing Committee

Christian Scheitler, M.Sc.

Ms. Christina Ort

Ms. Vanessa Möritz

Preliminary Program

Monday November 23	
8:00	Registration
8:30	Schmidt, Michael – Coordinator SAOT Institute of Photonic Technologies, FAU Erlangen, Germany <i>Welcome, Opening Remarks and Brief Introduction to SAOT</i>
8:45	Zeng, Xiaoyan – Wuhan National Laboratory for Optoelectronics, China <i>Laser additive manufacturing for metallic components: A comparison by powder feeding and powder bed method</i>
9:30	Dimitrov, Dimiter - Stellenbosch University, South Africa <i>Laser Based Additive Manufacturing - An Industrial and Academic Perspective</i>
10:15	Coffee Break
10:45	Meiners, Wilhelm – Fraunhofer ILT, Germany <i>Additive Manufacturing on its way to serial production?</i>
11:30	Overmeyer, Ludger – Laser Zentrum Hannover e. V., Germany <i>Laser Additive Manufacturing for medical applications</i>
12:15	Lunch Break
13:15	Leyens, Christoph – Fraunhofer IWS, Germany <i>Direct metal deposition using powder and wire for aerospace components</i>
14:00	Pinkerton, Andrew – Lancaster University, United Kingdom <i>Laser metal deposition: unique, complex and modellable</i>
14:45	Coffee Break
15:00	Smurov, Igor – Ecole Nationale d'Ingenieurs de Saint Etienne, France <i>Optical monitoring and diagnostics in selective laser melting and direct metal deposition</i>
15:45	End of Sessions – Day 1
16:15	Social Program (*) <i>Bus transfer to location, Guided Tour, Dinner and Bus transfer back to Erlangen</i>
	End of Day 1

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

Tuesday
November 24

8:45 Krakhmalev, Pavel – Karlstad University, Sweden
Formation of microstructure in stainless steels manufactured by SLM

9:30 Van Hooreweder, Brecht – KU Leuven, Belgium
Fatigue of AM materials

10:15 Coffee Break

10:45 Yadroitsau, Ihar – Central University of Technology, South Africa
A systematic approach to manufacturing parts with desired properties by Selective Laser Melting

11:30 Töppel, Thomas – Fraunhofer IWU, Germany
Laser Beam Melting for added value in tooling applications

12:15 Lunch Break

13:15 Hand, Duncan P. – Heriot Watt University, United Kingdom
Embedding of optical fibre sensors into metal components using the SLM additive manufacturing process

14:00 Toyserkani, Ehsan – University of Waterloo, Canada
Laser treatment of graphene patterns made by micro-scale additive manufacturing

14:45 End of Sessions – Day 2

15:15 Lab Tour at the Institute of Photonic Technologies

16:15 End of the 25th International SAOT Workshop

Contact Person:

Christian Scheitler, M.Sc.
Phone: +49 9131 85 64102
christian.scheiter@lpt.uni-erlangen.de

Conference Venue:

Hotel Novotel Erlangen
Hofmannstraße 34
91052 Erlangen

