

Trends and new developments in Laser Technology

29th of August – 2nd of September 2016

Technische Universität Dresden, Fraunhofer IWS, Dresden, Germany

The Fraunhofer Institute for Material and Beam Technology (IWS) and the TU Dresden organizes for the fifth time the International Summer School "Trends and new developments in Laser Technology" from August 29 until September 2, 2016. This one-week International Summer School aims to bring together undergraduate and PhD students for an intensive programme of study on fundamental and applied aspects of laser technology.

The main programme will consist of lectures by renowned experts, supplemented by oral presentations and informal discussion sessions, as well as practices in the laboratory. The course aims to enable the exchange of new ideas across these fields.

Topics

- Surface hardening technologies
- High speed 2D laser cutting
- Laser welding
- Additive manufacturing processes
- Applications of ultra short pulsed lasers
- Laser process simulation
- Laser microstructuring, laser interference patterning

In addition, the programme will include:

- Participant presentations (15 minutes)
- 4 practices at IWS laboratories

Summer school fees

University students: 50 € (students from the Technische Universität Dresden: 0 €)

Companies and non-students: 200 €

Deadlines

Registration: June 15

Submission of participant presentation title (optional): June 15, 2016 (non-mandatory) *

Acceptance notification of authors: July 1, 2015

On-line registration:

<http://www.iws.fraunhofer.de/summerschool>

Summer School Chairman:

Prof. Andrés Lasagni

Chair for Large Area Based Surface micro/nano-Structuring,
Technical University of Dresden
Working Group Surface Functionalization, Fraunhofer Institute for
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www.tu-dresden.de/mw/if/lfsf

www.iws.fraunhofer.de

Associated Partner:



* For a limited number of persons. Participants submitting a short presentation will have priority for the practices at the IWS laboratories.



40 researchers from 9 countries including Spain, Poland, Malaysia, Lithuania, Argentina, The Netherlands, Czech Republic and Sweden attended the 2015 school which also provided a unique networking opportunity for attendees.