

Trends and new developments in Laser Technology

August 26 - 30, 2013

Technical University of Dresden, Fraunhofer IWS, Dresden, Germany

The Fraunhofer Institute for Material and Beam Technology (IWS) and the Technical University of Dresden organizes for the second time the International Summer School "Trends and new developments in Laser Technology" from August 26 until 30, 2013. 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 poster 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 surface structuring, laser interference patterning

In addition, the programme will include the following activities:

- Participant lectures (15 minutes presentations)
- 4 practices at the laboratory

Summer school fees:

University students:	0 € (no charges)
Companies:	150 €

Deadlines:

Submission of 1/2 page abstract: May 30, 2013
Acceptance notification of authors: June 15, 2013

Summer School Chairman:

Prof. Andrés Lasagni

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Association Partner:



Over 40 researchers from 13 countries including Spain, Italy, Great Britain, Lithuania, Finland and Switzerland attended the 2012 school which also provided a unique networking opportunity for attendees.