

# Trends and New Developments in Laser Technology

August 25-29, 2014

Technische Universität Dresden, Fraunhofer IWS, Dresden, Germany

The Fraunhofer Institut für Werkstoff- und Strahltechnik (IWS) and the Technische Universität Dresden organize for the third time the International Summer School "Trends and New Developments in Laser Technology" from August 25-29, 2014. This one-week International Summer School aims at bringing together undergraduate and PhD students for an intensive program of study on fundamental and applied aspects of laser technology.

The main program will consist of lectures by renowned experts, supplemented by poster presentations and informal discussion sessions, as well as practices in the laboratory. The course focuses on exchange of new ideas around 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:

- minutes presentations
- 4 practices at the laboratory

### Summer School fees:

University students:	50 € (with exception of students from the Technische Universität Dresden: 0 €)
Companies:	150 €

### Deadlines:

Submission of 1/2 page abstract:	June 15, 2014
Notification of Acceptance:	July 1, 2014

### Summer School Chairman:

Prof. Andrés Lasagni

Laser Structuring in Manufacturing Technology,  
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Association Partner:



More than 40 researchers from 11 countries including Spain, Italy, Great Britain, Lithuania, Finland and Switzerland attended the 2013 school, which provided a unique networking opportunity for attendees.

## Trends and New Developments in Laser Technology 2014

### Registration Form

First name:

Last name:

Institution type (choose one option):

- Company
- University/Research Institute

Institution Name:

Address:

City, ZIP:

Country (if other than Germany):

Telephone:

E-Mail Address:

Interest in laboratory practice  
(to be hold on Friday up to 16:30)

Yes

No

Short presentation title:

Authors:

Abstract (100 – 300 words):

Send this form by fax to:

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or per Email to:

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