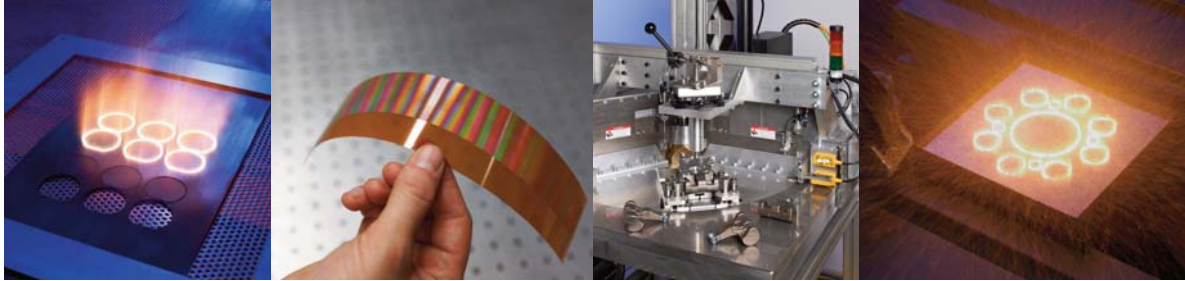


# Trends and new developments in Laser Technology

27-31 August 2012

Technische Universität Dresden, Fraunhofer IWS, Dresden, Germany



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
- 3D Rapid Prototyping and additive manufacturing processes
- Laser technology in optoelectronics
- Developments and applications of ultra short pulse-lasers
- Laser process simulation
- Laser surface structuring, laser interference patterning
- High intensity lasers

In addition, the programme will include the following activities:

- participant lectures (15 minutes presentations)
- four practices at the laboratory

Summer school fees: no charges

## Deadlines

Submission of 1/2 page abstract: May 30, 2012

Acceptance notification of authors: June 15, 2012

## Contact:

Dr. Andrés Lasagni  
Phone: +49 351 / 83391-3007  
Fax: +49 351 / 83391-3300  
[andres-fabian.lasagni@iws.fraunhofer.de](mailto:andres-fabian.lasagni@iws.fraunhofer.de)  
Fraunhofer IWS  
Winterbergstr. 28, 01277 Dresden, Germany  
[www.iws.fraunhofer.de](http://www.iws.fraunhofer.de)