

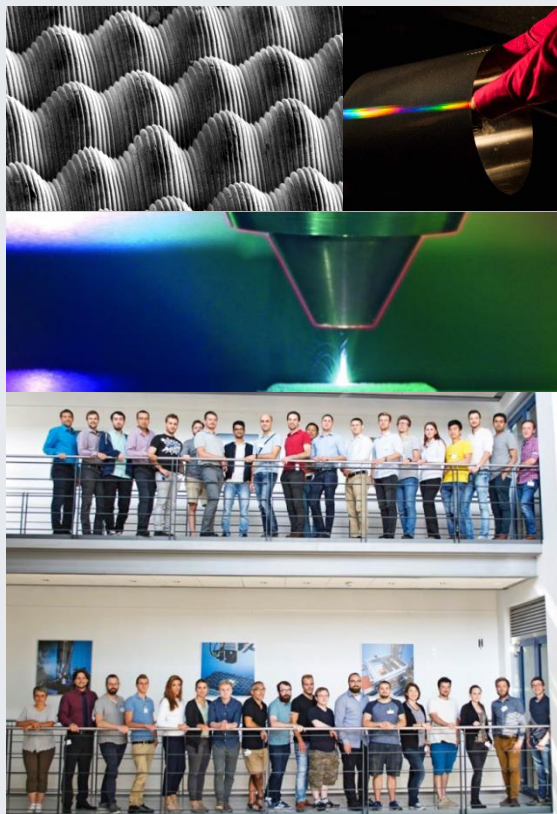
# Trends and new developments in Laser Technology

27<sup>th</sup> to 31<sup>st</sup> August 2018

Technische Universität Dresden, Fraunhofer IWS  
 Dresden, Germany

The Technische Universität Dresden and the Fraunhofer Institute for Material and Beam Technology (IWS) organizes for the seventh time the International Summer School "Trends and new developments in Laser Technology" from August 27 until 31, 2018. 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 consists 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.



Over 40 researchers from 15 countries including Spain, Poland, Italy, Slovenia, UK, The Netherlands, Czech Republic, France and Russia attended the 2017 school.

## Topics

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

In addition, the programme will include:

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

## Summer school fees

University students: 60 €

(students from the Technische Universität Dresden: 0 €)

Companies and non-students: 220 €

## Deadlines

Registration: June 15, 2018

Submission of participant presentation title  
 (optional): June 15, 2018

Acceptance notification of authors: July 1, 2018

## Online registration:

[www.iws.fraunhofer.de/summerschool](http://www.iws.fraunhofer.de/summerschool)

## Associated Partner



## Summer School Chairman



Prof. Andrés Lasagni  
 Chair for Large Area Based Surface Structuring, Technische Universität Dresden

## Contact



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