

# PRESS RELEASE

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## 4th UKP-Workshop 2017 – Save the Date!

**On April 26 and 27, 2017, the Fraunhofer Institute for Laser Technology ILT in Aachen will hold the 4th UKP-Workshop: Ultrafast Laser Technology. The event is an opportunity for scientists, laser manufacturers and users to come together and learn more about the latest trends from the ultrafast laser sector. More than 20 international speakers will report on the most recent developments in ultrafast laser beam sources and optical systems for ultrafast laser technology.**

Parallel to developments in ultrashort pulse laser technology (USP), the past few years have also seen an increasing variety of ultrafast laser beam sources arrive onto the market. By now, the market offers users an increasing choice of wavelengths, including some in the unconventional range above one micrometer. What's more, the new USP lasers enable increasingly shorter pulses, even up to 100 fs with average output power at ten-watt increments. But which laser type is best for various custom uses with regard to efficiency and operating results? Then there's the issue of finding the right system technology: How can USP lasers be integrated into existing production chains and what criteria need to be met?

Experts will be discussing answers to these questions at the 4th UKP Workshop: Ultrafast Laser Technology. As well as covering the basics of ultrafast laser technology and providing an overview of current developments in laser sources, key themes of the workshop will include new system technologies, application fields for new wavelengths above one micrometer and the potential for optimizing processes through beam shaping and beam splitting. Participants will learn, for instance, how fiber-reinforced plastics can be processed precisely and efficiently using ultrafast lasers and how USP lasers are opening up new applications in medical technology.

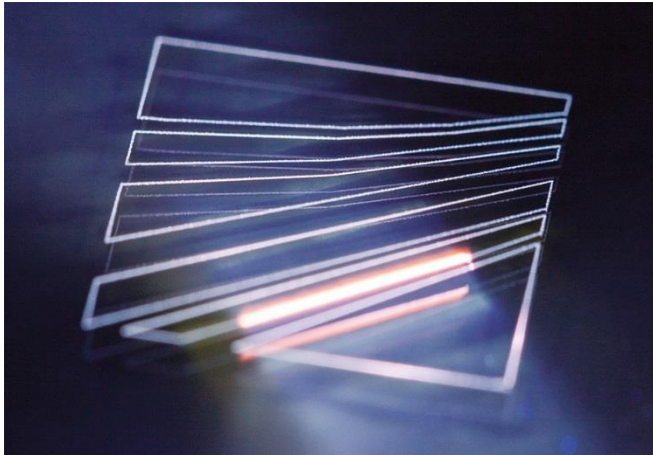
Some 200 participants are expected, and the increased number of international visitors reflects the international importance of the topic. The conference language is English with simultaneous interpretation in German. Registration is now open at [www.ultrafast-laser.com](http://www.ultrafast-laser.com).

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**Editorial Notes**

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**Image 1:**  
**USP ablation (engraving) on thin glass.**  
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