

PRESS RELEASE

PRESS RELEASESeptember 13, 2018 || Page 1 | 2

5th UKP-Workshop 2019 – Save the Date!

Specialists from laser development, process engineering and industry will meet in Aachen from April 10 to 11, 2019 for the “5th UKP-Workshop: Ultrafast Laser Technology”, organized by the Fraunhofer Institute for Laser Technology ILT. 20 speakers will inform the approximately 200 expected participants from Germany and abroad about the latest developments in USP laser beam sources and optical systems for USP laser technology.

The “5th UKP-Workshop: Ultrafast Laser Technology” will focus on new systems engineering solutions for increasing the productivity of processes in ultrashort pulse laser material processing (USP). In addition to the basics of USP technology, 20 speakers from different countries will address current issues: How can large average output powers of USP laser beam sources be realized and efficiently implemented in the corresponding machining processes? Which system-technical solution approaches and beam shaping concepts are available to distribute the high average power on the workpiece surface and which new possibilities of material processing result from this? What do users have to consider with regard to process technology? And what challenges must be mastered in system technology?

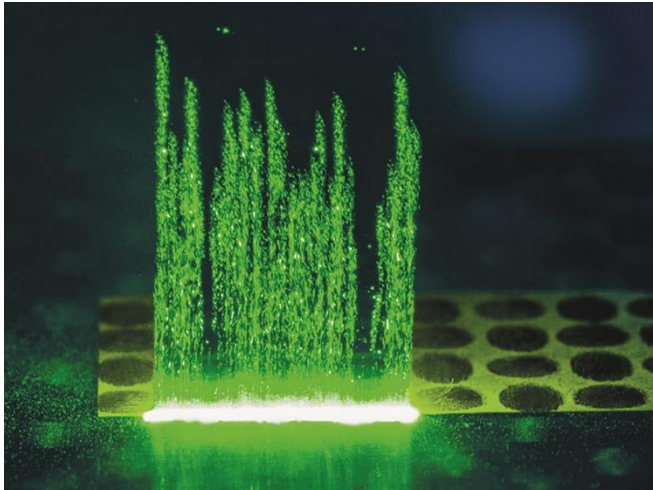
In addition to the new developments and trends in USP technology, new findings on the generation of X-rays will also be presented. Furthermore, experts will present the latest laser-based applications and processing methods that extend the limits of existing technologies in terms of process speed, quality and material range.

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.

Editorial Notes

Petra Nolis M.A. | Group Manager Communications | Telephone +49 241 8906-662 | petra.nolis@ilt.fraunhofer.de
Fraunhofer Institute for Laser Technology ILT | Steinbachstraße 15 | 52074 Aachen, Germany | www.ilt.fraunhofer.de

FRAUNHOFER INSTITUTE FOR LASER TECHNOLOGY ILT



Picture 1:
Thin film structuring with an ultrashort pulse laser.
© Fraunhofer ILT, Aachen, Germany / Volker Lannert.

PRESS RELEASE

September 13, 2018 || Page 2 | 2



Picture 2:
Prof. Thomas Graf, Institute for Beam Tools (IFSW) at the University of Stuttgart (right) and Dr. Arnold Gillner, Fraunhofer ILT: Lively expert discussion at the 4th UKP-Workshop 2017 in Aachen.
© Fraunhofer ILT, Aachen, Germany.

The **Fraunhofer-Gesellschaft** is the leading organization for applied research in Europe. Its research activities are conducted by 72 institutes and research units at locations throughout Germany. The Fraunhofer-Gesellschaft employs a staff of more than 25,000, who work with an annual research budget totaling 2.3 billion euros. Of this sum, almost 2 billion euros is generated through contract research. Around 70 percent of the Fraunhofer-Gesellschaft's contract research revenue is derived from contracts with industry and from publicly financed research projects. International collaborations with excellent research partners and innovative companies around the world ensure direct access to regions of the greatest importance to present and future scientific progress and economic development.

Contact

Dipl.-Phys. Martin Reininghaus | Group Manager Micro- and Nano Structuring | Telephone +49 241 8906-627

martin.reininghaus@ilt.fraunhofer.de

Dr. Arnold Gillner | Head of the Competence Area Ablation and Joining | Telephone +49 241 8906-148

arnold.gillner@ilt.fraunhofer.de

Fraunhofer Institute for Laser Technology ILT | Steinbachstraße 15 | 52074 Aachen, Germany | www.ilt.fraunhofer.de