APPLICATION PANEL
ULTRASHORT PULSE LASERS
AND BEAM DELIVERY

JUNE 25, 2019, MESSE MÜNCHEN, FORUM HALL B3

LOCATION
LASER World of Photonics
Munich Trade Fair Center
Forum Hall B3

ADMISSION
Attending the application panels is free of charge. You must purchase an admission ticket to LASER World of PHOTONICS 2019 to gain admission to the halls. The fair is the perfect opportunity to combine expanding your knowledge with making business contacts.

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Sources of ultrashort and high peak power optical pulses improve existing and enable new applications in science and industry. Considerable progress has been made to realize reliable and highly efficient femtosecond and picosecond sources based on diode pumped solid state and fiber technology. Using novel laser concepts, output powers exceeding the kW level have been demonstrated for these systems even in femtosecond pulse operation. This panel provides an overview about the recent progress in performance scaling. The panel enables you to compare state of the art laser concepts for operation in industrial environment. The presentations will be given by selected speakers of international market leaders in the field of ultrafast lasers.

**Chairmen:**

Dr. Thomas Rettich, Trumpf GmbH + Co. KG

Prof. Dr. Andreas Tünnermann, Fraunhofer IOF

Dipl.-Ing. Hans-Dieter Hoffmann, Fraunhofer ILT

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**Program application panel**

**ULTRASHORT PULSE LASERS AND BEAM DELIVERY**

Forum Hall B3

**Tuesday, June 25, 2019**

3:00 p.m.  **Dr. Thomas Rettich, Trumpf GmbH + Co. KG**

Welcome and Opening

3:10 p.m.  **Dr. Jan Wieduwilt, TRUMPF Laser- und Systemtechnik GmbH**

Scaling of Ultrafast Laser Applications by Process Adequate Beam Shaping

3:25 p.m.  **Dr. Björn Wedel, Photonic Tools GmbH**

Fiber Beam Delivery for Industrial Ultrafast Lasers

3:40 p.m.  **Dr. Claus Schnitzler, AMPHOS GmbH**

Ultrafast Lasers with High Power and High Flexibility Based on InnoSlab Technology

3:55 p.m.  **Dr. Keming Du, EdgeWave GmbH**

Enhancements of Ultrashort Pulse Laser Performances and Application Examples in Industry

4:10 p.m.  **Dr. Clemens Höninger, Amplitude Systèmes**

Power Scaling and Pulse Shortening of Ultrafast Lasers for industrial and Scientific Applications

4:25 p.m.  **Dr. Christian Mauser, Menlo Systems GmbH**

Mode Locking Technology in Ultrafast Fiber Lasers Enabling Applications in Science and Industry

4:40 p.m.  **Dr. Tino Eidam, Active Fiber Systems GmbH**

kW-Level Ultrafast Fiber Lasers for Industrial and Scientific Applications

5:00 p.m.  **Speakers Corner**

5:15 p.m.  **Prof. Dr. Andreas Tünnermann, Fraunhofer IOF**

5:30 p.m.  **Dr. Thomas Rettich, Trumpf GmbH + Co. KG**

5:45 p.m.  **Dipl.-Ing. Hans-Dieter Hoffmann, Fraunhofer ILT**

6:00 p.m.  **Party at Fraunhofer Booth B3.335**