Fraunhofer

JUNE 25, 2019, MESSE MÜNCHEN, FORUM HALL B3

APPLICATION PANEL
ULTRASHORT PULSE LASERS AND BEAM DELIVERY

LASER World of Photonics, 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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APPLICATION PANEL

ULTRASHORT PULSE LASERS AND BEAM DELIVERY

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

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 Hönninger, 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**

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