



# Fraunhofer

IOF

## **Solid state lasers – novel developments**

### **Application Panel**

#### **Munich**

LASER World of PHOTONICS 2011

Forum  
Hall B2  
Stand 421

**Tuesday, May 24, 2011**

[www.iof.fraunhofer.de](http://www.iof.fraunhofer.de)



**20th International Congress on Photonics in Europe**

collocated with LASER World of PHOTONICS 2011

Messe München GmbH, Messengelände, 81823 München, Tel. (+49 89) 949-114 68, [info@photonics-congress.com](mailto:info@photonics-congress.com)

[www.photonics-congress.com](http://www.photonics-congress.com)

## Optical Technologies

### **Solid state lasers – novel developments**

Chairmen:

Prof. Dr. Andreas Tünnermann  
Fraunhofer Institute for Applied Optics  
and Precision Engineering IOF, Germany

Dr. Friedrich Bachmann  
Lumera Laser GmbH,  
Germany

## **Tuesday, May 24, 2:00 pm – 4:40 pm**

- 2:00 pm **Energy efficient solid state laser concepts**  
Prof. Dr. Andreas Tünnermann, Fraunhofer Institute  
for Applied Optics and Precision Engineering IOF,  
Germany
- 2:20 pm **Beam divergences and optical power densities  
of low fill factor laser bars for fiber coupling**  
Dr. Christian Lauer, OSRAM Opto Semiconductors  
GmbH, Germany
- 2:40 pm **High power optically pumped semiconductor lasers**  
Juan L. A. Chilla, Coherent Inc., USA
- 3:00 pm **New generation of QCW fiber lasers  
close gap between ns and CW**  
Tim Westphäling, IPG Photonics Corporation,  
IPG Laser GmbH, Germany
- 3:20 pm **Novel concepts for pulsed thin disk lasers –  
from nanoseconds to the femtosecond regime**  
Dr. Martin Leitner, JENOPTIK Laser GmbH, Germany
- 3:40 pm **Compressed  $\mu$ chip-laser: high repetition  
rate sub-10ps pulses without mode-locking**  
Prof. Dr. Jens Limpert, Friedrich Schiller University,  
Germany
- 4:00 pm **Current status of TRUMPF disk laser technology**  
Dr. Alexander Killi, TRUMPF Laser- und  
Systemtechnik GmbH, Germany
- 4:20 pm **High power ultrafast laser  
with average power up to kW range**  
Dipl.-Ing. Hans-Dieter Hoffmann, Fraunhofer Institute  
for Laser Technology, Germany
- 5:00 pm **Party, Fraunhofer Stand B2.417**

Lecture Language: English.

**Admission:**

Attending the application panels is free of charge. You must purchase an admission ticket to LASER World of PHOTONICS 2011 to gain admission to the halls. The fair is the perfect opportunity to combine expanding your knowledge with making new business contacts.



**Fraunhofer**  
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# **Solid state lighting**

## **Application Panel**

**Munich**

LASER World of PHOTONICS 2011

Forum  
Hall B2  
Stand 421

**Wednesday, May 25, 2011**

[www.iof.fraunhofer.de](http://www.iof.fraunhofer.de)



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Messe München GmbH, Messegelände, 81823 München, Tel. (+49 89) 949-114 68, [info@photonics-congress.com](mailto:info@photonics-congress.com)

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## Optical Technologies

### **Solid state lighting**

Chairmen:

Dr. Andreas Bräuer

Fraunhofer Institute for Applied Optics  
and Precision Engineering IOF, Germany

Dr. Berit Wessler

OSRAM GmbH, Germany

## **Wednesday, May 25, 10:00 am – 12:30 pm**

- 10:00 am **OLEDs – from research to products**  
Dr. Volker van Elsbergen,  
Philips Technologie GmbH, Germany
- 10:30 am **Recent progress and innovations  
in LED technology**  
Dr. Alexander Martin,  
OSRAM Opto Semiconductors GmbH, Germany
- 11:00 am **Impact of Solid state lighting  
on the luminaire industry**  
Stefan Seltmann,  
Trilux GmbH & Co. KG, Germany
- 11:30 am **Development and testing of LED based,  
intelligent and energy efficient street lightings  
and comparable technical illumination systems**  
Volker Gühne,  
JENOPTIK Polymer Systems GmbH, Germany
- 12:00 pm **Micro-optics for slim LED light sources**  
Dr. Peter Schreiber,  
Fraunhofer IOF, Germany

Lecture Language: English.

**Admission:**

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