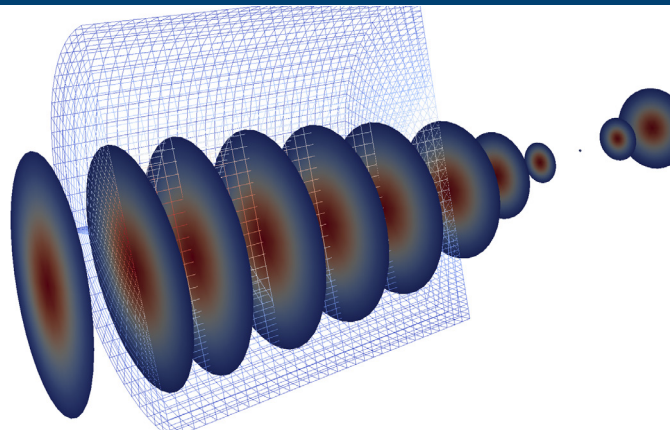


# 29<sup>th</sup> International SAOT Workshop on Lasers

Simulation and Design of Advanced Solid-State Lasers  
October 11–12, 2018



## Workshop Chair

Prof. Dr. Christoph Pflaum (Chair)

## Local Organizing Committee

Ramon Springer  
Ms Annika Kern

# Preliminary Program

## Thursday, October 11

8:15 Registration

8:45 Pflaum, Christoph - Friedrich-Alexander Universität Erlangen-Nürnberg, Germany  
*Welcome and Opening Remarks*

9:00 Kasprowicz, Dobrosława – Poznan University of Technology, Poland  
*“Multifunctional borate crystals doped with rare earth ions for NIR emission”*

## Coffee break

10:30 Kränkel, Christian – Leibniz-Institute for Crystal Growth, Germany  
*“Novel crystalline laser materials for lasers from the visible to the mid-infrared spectral region”*

11:30 Springer, Ramon – Friedrich-Alexander Universität Erlangen-Nürnberg, Germany  
*“Numerical Simulation of Laser Pulse Amplification”*

## Lunch break

13:30 Smrz, Martin - HiLASE Centrum, Czech Republic  
*“Properties, design, and construction of high power thin disk lasers“*

14:30 Wolter, Jan-Hinnerk - Institut für Strahlwerkzeuge (IFSW), Germany  
*“Thermo-mechanical simulation of a novel symmetrically-cooled thin-disk laser using single-crystal diamond heat spreaders“*

## Coffee break

16:00 Hoffmann, Hans-Dieter - Fraunhofer Institute for Laser Technology, Germany  
*“Simulation and Design of Lasers”*

## Evening Program (\*)

17:00 Dinner and Music at Novotel

(\*) Applications are welcome (only restricted attendance possible)

## Friday, October 12

09:00 Speiser, Jochen - Deutsches Zentrum für Luft- und Raumfahrt, Germany  
*"Design considerations for high average power thin disk laser"*

## Coffee break

10:30 Petit, Laetitia - Tampere University of Technology, Finland  
*"Novel rare-earth doped glass-ceramics"*

11:30 Pronin, Oleg - Max Planck Institute of Quantum Optics, Germany  
*"Kerr-lens mode-locking of high peak power oscillators"*

## Lunch break

13:15 Eppich, Bernd - Ferdinand-Braun-Institut für Optoelektronik, Germany  
*"Design of optical systems for laser radiation based on local second order moments and Gauss-Schell ray bundles"*

End

## Contact Person:

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## Conference Venue:

Hotel Novotel

Hofmannstraße 34

91052 Erlangen

## “Simulation and Design of Advanced Solid-State Lasers“

