

# 10<sup>th</sup> IKZ Summer School

# SOLID-STATE LASERS

September 24<sup>th</sup> - September 26<sup>th</sup> 2018



LEIBNIZ - INSTITUT FÜR  
KRISTALLZÜCHTUNG

## Lecturer: Prof. Dr. Günter Huber

Universität Hamburg, Institut für Laserphysik

The course reviews the basic concepts of advanced highly efficient rare earth ion doped solid-state lasers based on 4f-4f transitions of laser ions such as Yb<sup>3+</sup>, Tm<sup>3+</sup>, Er<sup>3+</sup>, Pr<sup>3+</sup>, and Tb<sup>3+</sup> which have opened new prospects for laser applications at various wavelengths and power regimes.

This Summer School is addressed to Master- and PhD-students, but also postdocs interested in gaining basic insight into these topics.

More details can be found on:

[www.ikz-berlin.de/en/education/summer-school](http://www.ikz-berlin.de/en/education/summer-school)

### Schedule:

Monday, September 24<sup>th</sup>

3:00 pm - 4:30 pm:

**Basic laser aspects**

Tuesday, September 25<sup>th</sup>

11:00 am - 12:30 pm:

**Rare earth ion doped laser crystals**

3:00 pm - 4:30 pm:

**Lasers in the near infrared spectral region**

Wednesday, September 26<sup>th</sup>

11:00 am - 12:30 pm:

**Lasers in the visible spectral region**

### Venue:

Leibniz-Institut für Kristallzüchtung (IKZ)  
Max-Born-Str. 2  
12489 Berlin / Germany

### Contact:

#### Academic Questions:

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#### Registration\*:

[summer.school@ikz-berlin.de](mailto:summer.school@ikz-berlin.de)

**Registration deadline: September 10<sup>th</sup> 2018**

\* For registration send an e-mail to [summer.school@ikz-berlin.de](mailto:summer.school@ikz-berlin.de) with details of your institution and position (e.g. student bachelor / master / specialisation, PhD, scientist...).

As space is limited the number of attendees is limited to 60.

The Summer School is free of charge, but all travel and accommodation cost must be solely borne by the participants.