

# Bad Honnef Physics School

Supported by the Wilhelm and Else Heraeus-Foundation

## Exciting nanostructures: Characterizing advanced confined systems

July 18 - 23, 2021, Physikzentrum Bad Honnef, Germany

Organised by

**Christian Klinke (University of Rostock and Swansea University)  
and Nikolai Gaponik (TU Dresden)**

In this summer school, the basics of the preparation of nanostructures, the resulting physical properties, their optoelectronic applications, and theoretical methods will be reviewed. A range of characterization techniques with a special emphasis on spectroscopy will be introduced. The summer school provides an ideal forum for Master and PhD students to become acquainted with the topic and to initiate further discussions. The participants are expected to present their own work in the form of posters and are given the chance to introduce it also in the form of flash presentations (2 min talk with 1 slide). Leading experts in nanostructure preparation, spectroscopy, electrical transport and related fields will be invited as speakers.

### Confirmed speakers:

- Horst Weller (University of Hamburg)
- David J. Norris (ETH Zurich)
- Sandrine Ithurria (ESPCI Paris)
- Jan-Ole Joswig (TU Dresden)
- Andres Castellanos (CSIC Madrid)
- Tobias Korn (University of Rostock)
- Maksym Kovalenko (ETH Zurich)
- Jannika Lauth (University of Hannover)
- Nadja Bigall (University of Hannover)
- Marcus Scheele (University of Tübingen)
- Dmitri Talapin (University of Chicago)
- Elena Shornikova (TU Dortmund)
- Johannes Barth (TU Munich)

### Fees:

Covering full board and lodging at the Physikzentrum Bad Honnef  
200 € (for DPG members 100 €).

Application & more information: [www.pbh.de](http://www.pbh.de)



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