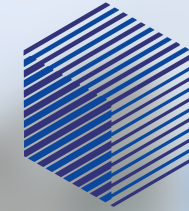


September 6 - 8, 2023, Berlin

Summer School

# Polar Piezoelectric Oxides



FOR5044

The summer school focusses on preparation, characterization and application of polar piezoelectric oxide crystals with special emphasis on lithium niobate, lithium tantalate and its solid solutions. Atomistic transport processes, the behavior of domain walls and many other fundamental topics will be introduced. The event is organized by the DFG Research Unit 5044 *Periodic low-dimensional defect structures in polar oxides*.

## Workshop topics

- Fundamentals of ferroelectrics
- Crystal growth and thin-film deposition
- Poling and domain structures
- Atomistic transport and modeling
- Optical properties
- Acoustic properties

## Timeline

- Lectures and tutorials
  - September 6: 11:00 am – 6:00 pm
  - September 7: 8:30 am – 4:30 pm
  - September 8: 9:00 am – 9:45 pm
- Hands-on experiments and lab tour
  - September 8: 9:45 am – 3:30 pm

## Guest speaker

- Opening talk: Prof. Marco Bazzan, University of Padova
- High temperature piezoelectric applications: Dr. Roland Sommer, Kistler Intrumente AG
- Young scientist support: Dr. Christiane Richter, Deutsche Forschungsgemeinschaft

## Registration and latest information

<https://www.for5044.de/summerschool-polar-oxides-2023>

## Organizers

Scientific organization and program: FOR5044; On-site organization: Leibniz-Institut für Kristallzüchtung

## Venue

Leibniz-Institut für Kristallzüchtung  
Max-Born-Straße 2A, 12489 Berlin, Germany

