

9-13 September 2024  
Paderborn University

# INTEGRAL STRUCTURES IN GEOMETRY AND REPRESENTATION THEORY

This opening conference will encompass the entire research profile of CRC-TRR 358 of Bielefeld and Paderborn University. The format will consist of two plenary lectures every day before lunch. In the afternoon, we will run six parallel sessions.

## Plenary Speakers

Pierre-Emmanuel Caprace (Leuven)  
Emanuele Macrì (Orsay)  
Gunter Malle (Kaiserslautern)  
Yves Meyer (Paris-Saclay)  
Amnon Neeman (Milan)  
Hee Oh (Yale)

Alexander Polishchuk (Oregon)  
Dipendra Prasad (IIT Bombay)  
Maryna Viazovska (EPFL)  
Anna Wienhard (Heidelberg)  
Efim Zelmanov (SUSTech)

## Sessions

- Aspects of aperiodic order
- Experimental methods in algebra, geometry and number theory
- Geometry and analysis of locally symmetric spaces
- Geometry and arithmetic of moduli spaces
- Groups and geometry
- Tame categories, geometric models, and homological mirror symmetry

