UNIVERSITÄT BIELEFELD

UNIVERSITÄT PADERBORN

TRR 358

Collaborative Research Centre TRR 358

Integral Structures in Geometry and Representation Theory

01 February 2023 | ZiF Plenary Hall

The Collaborative Research Centre TRR 358 focuses on the investigation of integral structures in mathematics. As integral structures necessitate a combined approach from different mathematical sub-disciplines, we embark on a broad research programme that underlines the unity of mathematics. Our endeavour ranges from algebraic geometry to analysis on manifolds, from geometric group theory and algebraic combinatorics to representation theory of associative algebras.

The CRC started its work on 01 January 2023. it is funded by the German Research Foundation (DFG), initially for four years. Two further four-year periods might ensue, making for a total project duration of 12 years.

Programme

- 14:00-14:25: Welcoming addresses by Birgitt Riegraf, President of Paderborn University, and Gerhard Sagerer, Rector of Bielefeld University

- 14:25-14:40: Presentation of the CRC by Kai-Uwe Bux, Spokesperson of the CRC

- 14:40-15:30: Bernhard Keller | Université Paris Cité
  Algebra is Geometry is Algebra: Report on the Donovan-Wemyss conjecture

- 15:30-16:10: Coffee break

- 16:10-17:00: Anke Pohl | Bremen University
  Dynamics and asymptotics in spectral theory

- 17:00-17:30: Valentin Blomer | *L. v. Beethoven, Sonate C-Dur, op. 2/3*

- 17:30-18:20: Matthew Morrow | CNRS, Orsay
  Algebraic K-theory: a Renaissance

You are cordially invited to a reception afterwards.
Please confirm your attendance before January 20th to etielker@math.uni-bielefeld.de .

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