

# Geometry Day 2023 in Leipzig

## Program <sup>1</sup>

### Wednesday, March, 29

- 10:30 – 11:25 Andreas Bernig (Frankfurt/M.): *The Weyl principle in pseudo-Riemannian geometry*  
*Coffee and tea*
- 12:00 – 12:25 Samantha Fairchild (MPI Leipzig): *Average degree of the essential variety*
- 12:30 – 12:55 Evgenii Antonov (Jena) : *Applications of Nijenhuis geometry in the theory of F-manifolds*  
*Lunch*
- 14:30 – 15:25 Nadine Große (Freiburg): *On the  $L^p$ -spectrum of the Dirac operator*  
*Coffee and tea*
- 16:00 – 16:25 Marius Müller (Freiburg/Leipzig): *The Willmore flow of tori of revolution*
- 16:30 – 16:55 Darya Sukhorebska (Kharkiv/Münster): *Simple closed geodesics on regular tetrahedra*  
*in spaces of constant curvature*
- 17:00 – 17:25 Dirk Frettlöh (Bielefeld): *Tilings with transcendental inflation factor*
- 18:30 *Conference dinner*

### Thursday, March, 30

- 9:30 – 9:55 Thomas Wannerer (Jena): *Valuations in affine convex geometry*
- 10:00 – 10:25 Léo Mathis (Frankfurt/M.): *The zonoid algebra and its application*  
*Coffee and tea*
- 11:00 – 11:55 Mario Kummer (Dresden): *Convex algebraic geometry and Riemannian geometry*  
*Lunch*
- 13:15 – 13:40 Jesse Ratzkin (Würzburg): *Constant  $Q$ -curvature metrics with isolated singularities*
- 13:45 – 14:10 Philippe Kupper (KIT): *String topology of symmetric spaces*
- 14:15 – 14:40 Sayan Mukherjee (MPI Leipzig/ScaDS.AI): *A Sheaf Theoretic Framework for Modeling Shapes*

Felix Klein lecture hall, Paulinum P501 (5th floor), Augustusplatz 10, 04109 Leipzig

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