

8th Thuringian Geometry Day

December 6–7, 2019, Friedrich Schiller University Jena

Site: Rosensäle, Fürstengraben 27

Friday, December 6

10.45 – 11.35 **Zoltán Muzsnay (Debrecen):** *Tangent algebra of a diffeomorphism group and its application in the holonomy theory*

– Coffee –

12.00 – 12.25 **Balázs Attila Hubicska (Debrecen):** *Holonomy in the quantum navigation problem*

12.30 – 12.55 **Judith Brinkschulte (Leipzig):** *Foliations and CR geometry*

– Lunch –

14.15 – 15.05 **Vadim Alekseev (Dresden):** *Geometry of approximations for discrete groups*

15.15 – 15.40 **Vladislav Kibkalo (Moscow):** *Topology and stability of degenerate singularities of a Kovalevskaya integrable system*

15.45 – 16.10 **Viktor Moskvín (Moscow):** *Algorithmic realization of bifurcations of Liouville foliations for integrable billiards in non-convex domains*

– Coffee –

16.45 – 17.10 **Andreas Löhne (Jena):** *Computing convex hulls of trajectories*

17.15 – 17.40 **Eugenia Saorín Gómez (Bremen):** *Isoperimetric relations for inner parallel bodies*

17.45 – 18.10 **Thomas Jahn (Chemnitz):** *Apollonius characterizes Euclid*

18.15 – 18.40 **Martin Winter (Chemnitz):** *Edge-transitive polytopes*

– Dinner, Haus im Sack, Oberlauerengasse 14–17 –

Saturday, December 7

9.10 – 9.50 **Sergey I. Agafonov (São José do Rio Preto):** *Confocal conics and 4-webs of maximal rank*

10.00 – 10.25 **Walter Wenzel (Leipzig):** *Geometric algebra for sets with betweenness relations*

– Coffee –

11.00 – 11.25 **Dirk Frettlöh (Bielefeld):** *Weird normal tilings*

11.30 – 11.55 **Stefan Pautze (Pörsnbach):** *Cyclotomic aperiodic substitution tilings with dense tile orientations*

12.00 – 12.25 **Stephan Gardoll (Frankfurt/Main):** *Conic stability of polynomials and positive maps*

12.30 – 12.55 **Thorsten Theobald (Frankfurt/Main):** *A unified framework of SAGE and SONC polynomials and its duality theory*

– See you again! –