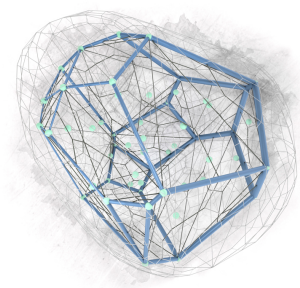


2025 SZEGED WORKSHOP ON CONVEXITY

PROGRAMME



MAY 29, THURSDAY

- 8:00 – 8:25 *Registration*
- 8:25 – 8:30 *Opening words*
- 8:30 – 9:10 **Elisabeth M. Werner** *Floating bodies for ball-convex bodies*
- 9:15 – 9:35 **Ansgar Freyer** *Equivariant valuations of lattice polygons*
- 9:40 – 10:00 **Jonas Knoerr** *A Paley-Wiener-Schwartz theorem for valuations on convex functions*
- 10:00 – 10:30 *Coffee break*
- 10:30 – 11:10 **Carsten Schütt** *Expected extremal area of facets of random polytopes*
- 11:15 – 11:35 **Florian Besau** *Random polytopes in convex bodies: a bridge between extremal containers*
- 11:40 – 12:00 **Mohamed Abdeldjalil Mouamine** *Vector-valued valuations on convex functions*
- 12:00 – 14:00 *Lunch break*
- 14:00 – 14:40 **Károly J. Böröczky** *Extremality of the mean width and the ℓ -norm*
- 14:45 – 15:05 **Márton Naszódi** *John ellipsoids of revolution*
- 15:10 – 15:30 **Florian Grundbacher** *Optimality conditions for convex containment problems under affinity*
- 15:30 – 16:00 *Coffee break*
- 16:00 – 16:20 **Christian Kipp** *Shadow systems, decomposability and isotropic constants*
- 16:25 – 16:45 **Anna Zamojska-Dzienio** *Partitions of unity and barycentric algebras*
- 16:50 – 17:10 **Sylvia Silberger** *Maximal sublattices and Frattini sublattices of convex geometries with $\text{cdim} = 2$*
- 17:15 – 18:30 *Poster session*
- Alexandra Bakó-Szabó** *Pairs of random points from a shell*
- Barnabás Gárgyán** *Extremality of diagonal sections of the cube*
- Balázs Grünfelder** *Variances of non-euclidean random polytopes*
- Márk Oláh** *Equidistant sets and their approximation*
- Dániel István Papvári** *Expectation of weighted intrinsic volumes of random polytopes*
- Ádám Sagmeister** *Circle packings of the hyperbolic plane*
- Shanshan Wang** *Normed variants of a theorem of Macbeath*

MAY 30, FRIDAY

- 8:30 – 9:10 **Andrea Colesanti** *The mixed Christoffel problem*
- 9:15 – 9:35 **Georg C. Hofstätter** *Mixed volumes and mixed area measures of bodies of revolution*
- 9:40 – 10:00 **Lily Liu** *The measure concentration problem for convex bodies*
- 10:00 – 10:30 *Coffee break*
- 10:30 – 11:10 **Ilya Molchanov** *Poisson hulls and Efron type formulae*
- 11:15 – 11:35 **Tom Baumbach** *Characterization of cone-volumes via pyramids*
- 11:40 – 12:00 **István Talata** *On the homothetic kissing numbers of a tetrahedron*
- 12:00 – 14:00 *Lunch break*
- 14:00 – 14:50 *Public lecture:*
María A. Hernández Cifre *Mean type successive radii of convex bodies*
- 15:00 – 15:20 **Mei Han** *Packing minima of convex bodies*
- 15:25 – 15:45 **Zsolt Lángi** *On the approximation of convex bodies by monostable polyhedra*
- 15:45 – 16:15 *Coffee break*
- 16:15 – 16:35 **Jesús Yepes Nicolás** *On (complemented) Brunn-Minkowski type inequalities for measures*
- 16:40 – 17:00 **Nico Lombardi** *L_p Brunn-Minkowski type inequalities under projection constraints*
- 17:05 – 17:25 **Lidia Gordo Malagón** *On L_p Brunn-Minkowski type inequalities for a general class of functionals*
- 18:30 – 21:00 *Reception*

MAY 31, SATURDAY

- 8:30 – 9:10 **Alina Stancu** *On the planar homothety conjecture*
- 9:15 – 9:35 **Fabian Mussnig** *A Pólya-Szegő type inequality for convex functions*
- 9:40 – 10:00 **Jacopo Ulivelli** *Between Brascamp-Lieb and Colesanti inequalities*
- 10:00 – 10:30 *Coffee break*
- 10:30 – 11:10 **Jan Kotrbatý** *A generalization of Godbersen's conjecture*
- 11:15 – 11:35 **Thomas Jahn** *Minkowski chirality*
- 11:40 – 12:00 **Mia Runge** *(r, D, R) -Blaschke-Santaló diagrams for three-dimensional convex bodies*