Discrete Geometry and Convexity

In Honour of Imre Bárány

PROGRAM

June 19, Monday

8:30	–	8:50	Registration
8:50	–	9:00	*Opening speech by Péter Pál Pálfy, the director of the Institute*
9:00	–	9:45	**János Pach**, *Roughly the same*
9:50	–	10:15	Coffee
10:15	–	11:00	**Gil Kalai**, *Problems for Imre Bárány's Birthday*
11:10	–	11:55	**Luis Montejano**, *How small orbits of periodic homeomorphisms of spheres can be?*
12:00	–	14:00	Lunch
14:00	–	14:45	**Attila Pór**, *k-monotone interpolation*
14:50	–	15:15	Coffee
15:15	–	16:00	**Károly J. Böröczky**, *Random polytopes and the affine surface area*
16:10	–	16:55	**Pavel Valtr**, *Holes in planar point sets*
18:00	–	22:00	Piano concert of **Ingrid Carbone**, followed by reception
			Main building of the Academy (Széchenyi István tér 9, 1051 Budapest), 2nd floor

June 20, Tuesday

9:00	–	9:45	**József Solymosi**, *Matrix ranks in discrete geometry*
9:50	–	10:15	Coffee
10:15	–	11:00	**Zoltán Füredi**, *Coin-weighting and different directions of lines*
11:10	–	11:55	**Tudor Zamfirescu**, *$\mathcal{F}$-convexity*
12:00	–	14:00	Lunch
14:00	–	14:45	**Andreas Holmsen**, *Nerves and minors*
14:50	–	15:15	Coffee
15:15	–	16:00	**Edgardo Roldán-Pensado**, *The Probability that a Convex Body Intersects the Integer Lattice*
16:10	–	16:55	**Pablo Soberón**, *Tensors, colors, and convex hulls*

June 21, Wednesday

9:00	–	9:45	**László Lovász**, *Geometric representations and quantum physics*
9:55	–	10:40	**Aart Blokhuis**, *Polynomials in finite geometry and combinatorics*
10:40	–	11:10	Coffee
11:10	–	11:55	**Alexander Barvinok**, *The beauty and the mystery of the symmetric moment curve*
12:05	–	12:50	**Konrad Swanepoel**, *Some vector-sum results in normed spaces*
12:00	–	14:00	Lunch

June 22, Thursday

9:00	–	9:45	**Van Vu**, *Random normal vectors are normal*
9:50	–	10:15	Coffee
10:15	–	11:00	**Rolf Schneider**, *Polytopes and cones in random hyperplane tessellations*
11:10	–	11:55	**Matthias Reitzner**, *Monotonicity of functionals of random polytopes*
12:00	–	14:00	Lunch
14:00	–	14:45	**Péter Frankl**, *Families of vectors without antipodal pairs*
14:50	–	15:15	Coffee
15:15	–	16:00	**Pavle Blagojević**, *Thieves dividing birthday presents and birthday cakes*
16:10	–	16:55	**Gergely Ambrus**, *Longest convex chains and subadditive ergodicity*
18:00	–	22:00	**Conference Banquet**
			Vénhajó restaurant (Vigadó Square dock, pier 2, 1052 Budapest)

June 23, Friday

9:00	–	9:20	**Augustin Fruchard**, *Globalizing Groups*
9:25	–	9:45	**Márton Naszódi**, *Approximation of convex bodies by polytopes in the Banach–Mazur metric*
9:50	–	10:10	**Ferenc Fodor**, *Random approximations of convex bodies by ball-polytopes*
10:10	–	10:40	Coffee
10:40	–	11:00	**Arseniy Akopyan**, *Algebraic vertices of non-convex polyhedra*
11:05	–	11:25	**Radoslav Fulek**, *A note on a picture-hanging puzzle*
11:30	–	11:50	**Alexandr Polyanskii**, *Proof of László Fejes Tóth's zone conjecture*
11:55	–	12:15	**Sergei Tsaturian**, *A result in asymmetric Euclidean Ramsey theory*
12:15	–	13:45	Lunch
13:45	–	14:05	**Liping Yuan**, *Rupert property of Archimedean solids*
14:10	–	14:30	**Jin-Ichi Itoh**, *Some consideration of Maehara's Reversing a polyhedral surface*
14:30	–	14:50	Coffee
14:50	–	15:10	**Robert Kozma**, *Dense Regular Ball Packings in Higher Dimensional Hyperbolic Spaces*
15:15	–	15:35	**Costin Vilcu**, *On the geometry of Alexandrov surfaces*
15:40	–	16:00	**István Talata**, *On the gap between translative and lattice kissing numbers of a convex body*