



Cortona, June 12–18, 2011

MONDAY, JUNE 13

8.45 – 9.45 Registration

9.45 – 10.00 Welcome address

10.00 – 10.55 S. Bobkov *Information-theoretic extensions in High-dimensional Convex Geometry*

Coffee break

11.20 – 12.15 M. Henk *Roots of Steiner polynomials*

12.25 – 12.55 R.J. Gardner *Operations between sets or functions*

Lunch

15.00 – 15.20 D. Hug *Random mosaics in high dimensions*

15.30 – 15.50 A. Koldobsky *Stability in volume comparison problems*

16.00 – 16.20 V. Yaskin *A problem of Klee on inner section functions of convex bodies*

Coffee break

16.50 – 17.10 G. Averkov *Analytic and discrete aspects of the covariogram problem*

17.20 – 17.40 M.A. Hernandez Cifre *Successive radii of convex bodies*

TUESDAY, JUNE 14

9.00 – 9.55 X. Ma *The Gaussian curvature estimates for the convex level sets of harmonic function*

10.10 – 10.30 P. Gruber *Normal Bundles of Convex Bodies*

Coffee break

11.00 – 11.55 F. Schuster *The Petty projection inequality and beyond*

12.10 – 12.30 V. Olikier *Convexity and mass transport methods for solving problems in optics*

12.40 – 13.00 W. Weil *Mean section bodies*

Lunch

15.00 – 15.20 D. Yang *Affine and Orlicz information theory*

15.30 – 15.50 M. Meyer *The convex intersection body of a convex body*

16.00 – 16.20 A. Pratelli *Solution to the Auerbach Conjecture*

Coffee break

16.50 – 17.10 E. Saorin-Gomez *A characterization of some mixed volumes via the Brunn-Minkowski inequality*

17.20 – 17.40 B. Słomka *Order-isomorphisms for cones and ellipsoids*

17.50 – 18.10 D. Florentin *Order isomorphisms in windows*

WEDNESDAY, JUNE 15

9.00 – 9.55 P. Gritzmann *On Gravity Bodies and Power Diagrams*

10.10 – 10.40 I. Barany *Jarnik's convex lattice n -gon for non-symmetric norms*

Coffee break

11.10 – 11.40 V. Milman *Some new results on "asymptotic" convexity*

11.50 – 12.20 N. Tomczak-Jaegermann *Geometry of log-concave Ensembles of random matrices*

12.30 – 12.50 E.M. Werner *How often is a random quantum state k -entangled?*

THURSDAY, JUNE 16

9.00 – 9.55 S. Artstein-Avidan *On the two duality transforms for geometric convex functions*

10.10 – 10.30 A. Giannopoulos *On the distribution of the ψ_2 -norm of linear functionals on isotropic convex bodies*

Coffee break

11.00 – 11.55 G. Bianchi *Some known results and open problems related to the covariogram*

12.10 – 12.30 D. Klain *Some convergence theorems for Steiner symmetrization*

12.40 – 13.00 M. Ludwig *Valuations on Function Spaces*

Lunch

15.00 – 15.20 C. Bianchini *Polygonal solutions for a shape optimisation problem*

15.30 – 15.50 C. Haberl *The even Orlicz-Minkowski problem*

16.00 – 16.20 C. Schuett *Mahler's conjecture and curvature*

Coffee break

16.50 – 17.10 B.H. Vritsiou *A measure of orthogonality on isotropic convex bodies*

17.20 – 17.40 P. Duhio *Reconstruction of twisted polytopes and applications*

FRIDAY, JUNE 17

9.00 – 9.55 D. Cordero-Erausquin *Asymmetric covariance inequalities of Brascamp-Lieb type*

10.10 – 10.30 P. Salani *The Hot Spot of a Convex Set*

Coffee break

11.00 – 11.55 A. Zvavitch *Intersection bodies and some generalizations of the Busemann's Theorem*