Fourth International Workshop on
CONVEX GEOMETRY – ANALYTIC ASPECTS

Cortona, Italy, June 4-8, 2007

Monday, June 4

10.00 – 10.55	J. Bastero *High dimensional sections of symmetric convex bodies*
Coffee break	
11.35 – 12.30	K.J. Böröckzy *Stability of geometric inequalities*
12.40 – 13.00	C. Peri *Hyperplane sections of convex bodies*

Lunch

15.00 – 15.20	V. Yaskin *Modified Shephard's problem on projections of convex bodies*
15.25 – 15.45	M. Longinetti *Convex Orbits and Orientations of a Moving Protein Domain*
15.50 – 16.10	S. Reisner *Hausdorff Approximation of 3D convex Polytopes*
Coffee break	
16.50 – 17.10	C. Haberl *Star body valued valuations*
17.15 – 17.35	E. Saorín Gómez *On a problem by Hadwiger*

Tuesday, June 5

9.30 – 10.25	D. Yang *Generalizations of the John ellipsoid*
10.35 – 10.55	R. Gardner *Gaussian Brunn-Minkowski inequalities*
Coffee break	
11.35 – 12.30	M. Kiderlen *Geometric tomography: uniqueness, stability and consistency under convexity assumptions*
12.40 – 13.00	M. Reitzner *A Classification of SL(n) invariant Valuations*

Lunch

15.00 – 15.20	F. Barthe *Lipschitz functions which vary the most*
15.25 – 15.45	E. Milman *Generalized Intersection Bodies are Not Equivalent*
15.50 – 16.10	C. Trombetti *A quantitative version of Polya-Szego principle*
Coffee break	
16.50 – 17.10	C. Bianchini *Minkowski addition of functions and quasi-concavity of solutions to elliptic equations*
17.15 – 17.35	G. Paouris *Inequalities for the negative moments of the Euclidean norm of a convex body*

Wednesday, June 6

9.30 – 10.25	V.I. Oliker *Convexity, optimal mass transport and design of mirrors*
10.35 – 10.55	M. Ludwig *Bivaluations on Convex Bodies*
Coffee break	
11.30 – 11.50	R. Schneider *Characterizations of duality*
11.55 – 12.15	V.D. Milman *The concept of Duality, I : background*
12.20 – 12.40	S. Artstein-Avidan *The concept of Duality, II : Legendre Transform*

Lunch

Thursday, June 7

9.30 – 10.25	N. Fusco *Quantitative estimates for the isoperimetric inequality with the Gaussian measure*
10.35 – 10.55	D. Hug *Projection functions of convex bodies*
Coffee break	
11.35 – 12.30	B. Klartag *A central limit theorem for convex sets*
12.40 – 13.00	E. Werner *On L_p-affine surface areas*

Lunch

15.00 – 15.20	P. Salani *Serrin type overdetermined problems for Hessian equations*
15.25 – 15.45	M. Yaskina *Shadow Boundaries and the Fourier Transform*
15.50 – 16.10	M. Meyer *Increasing functions and Legendre tranforms*
Coffee break	
16.50 – 17.10	P. Dulio *Symmetries arising from X-rays*
17.15 – 17.35	G. Averkov *On new partial answers to Matheron's conjecture and related results*

Friday, June 8

9.30 – 10.25	C. Schuett *Simplices in the Euclidean ball*
10.35 – 10.55	P. Gronchi *Some remarks on the girth functions of convex bodies*
Coffee break	
11.40 – 12.00	M. Rudelson *Almost spherical sections of a cross-polytope generated by random matrices*
12.05 – 12.25	M. Hernandez Cifre *Bounds for the roots of the Steiner polynomial*
12.30 – 12.50	F. Schuster *Rotation Invariant Minkowski Classes of Convex Bodies*

Lunch