Conference on Geometric Functional Analysis
in Honour of Nicole Tomczak-Jaegermann

May 16 – May 20, 2016

SCHEDULE

Monday, May 16

9:00 − 9:30	Registration
9:30 − 9:40	Opening
9:40 − 10:20	**A. Pajor**, *"On the empirical covariance matrix"*
10:20 − 10:50	Coffee Break
10:50 − 11:20	**O. Guédon**, *"On some problems related to random matrices: selection of characters, restricted isometry properties, norms."*
11:30 − 12:00	**P. Youssef**, *"Restricted invertibility revisited"*
12:00 − 14:00	Lunch
14:00 − 14:40	**W. Johnson**, *"Essentially Euclidean Spaces and Operators With Dense Range on ℓ_∞"*
14:50 − 15:20	**K. Tikhomirov**, *"Sample covariance matrices of heavy-tailed distributions"*
15:20 − 15:50	Coffee Break
15:50 − 16:20	**P. Valettas**, *"Almost isometric embeddings of ℓ_2^k in finite dimensional subspaces of L_p"*
16:30 − 17:00	**D. Ye**, *"On the affine isoperimetric inequalities for affine and geominimal surface areas"*
17:10 − 17:50	**TBA**

18:00: RECEPTION hosted by Nicole Tomczak-Jaegermann and the Conference at Faculty Club.

Tuesday, May 17

9:00 − 9:40	**V. Milman**, *"Algebraic Related Structures and the Reason Behind Some Classical Constructions in Convex Geometry"*
9:50 − 10:20	**S. Kislyakov**, *"Some observations about the corona theorem"*
10:20 − 10:50	Coffee Break
10:50 − 11:20	**C. Saroglou**, *"Characterization of simplices via the Bezout inequality for mixed volumes"*
11:30 − 12:00	**G. Paouris**, *"On condition number of random polynomial systems"*
12:00 − 14:00	Lunch
14:00 − 14:40	**M. Rudelson**, *"Delocalization of eigenvectors of random matrices"*
14:50 − 15:20	**M. Naszodi**, *"Proof of a conjecure of Bárány, Katchalski and Pach"*
15:20 − 15:50	Coffee Break
15:50 − 16:20	**R. Anisca**, *"On hereditary approximation property"*
16:30 − 17:00	**B. Sari**, *"Separable elastic Banach spaces are universal"*

Wednesday, May 18

9:00 − 9:40 **S. Szarek**, *"Detecting quantum entanglement and Dvoretzky's theorem"*
9:50 − 10:20 **R. Van Handel**, *"The Borell-Ehrhard game"*
10:20 − 10:50 Coffee Break
10:50 − 11:30 **M. Shcherbina**, *"Transfer matrix approach to the analysis of 1d random band matrices"*
11:40 − 12:10 **J. Prochno**, *"On operator norms of Gaussian random matrices"*

12:10 − 14:00 Lunch

14:00 − 18:00:   PICNIC/BBQ at Hawrelak Park

Thursday, May 19

9:00 − 9:40 **H. König**, *"Rigidity and Stability of the Chain Rule and the Leibniz Rule"*
9:50 − 10:20 **S. Bobkov**, *"Berry-Esseen bounds in central limit theorem for transport distances."*
10:20 − 10:50 Coffee Break
10:50 − 11:30 **G. Schechtman**, *"On complemented subspaces of Schatten p classes"*
11:40 − 12:10 **H. Nguyen**, *"Normal vector of a random hyperplane"*

12:10 − 14:00 Lunch

14:00 − 14:40 **N. Ghoussoub**, *"Optimal martingale transport"*
14:50 − 15:20 **K. Bezdek**, *"On non-separable families of positive homothetic convex bodies - the Goodman-Goodman conjecture"*
15:20 − 15:50 Coffee Break
15:50 − 16:20 **S. Myroshnychenko**, *"On polytopes with congruent projections"*
16:20 − 17:50 **POSTER SESSION: E. ALDabbas, B.M. Braga, I. Iurchenko, M. Stephen, K. Tatarko,** and **N. Zhang**

BANQUET

Friday, May 20

9:00 − 9:40 **R. Latała**, *"Two-sided bounds for L_p-norms of combinations of products of independent random variables"*
9:50 − 10:30 **F. Nazarov**, *"A toy model for the David-Semmes problem"*
10:30 − 11:00 Coffee Break
11:00 − 11:30 **D. Alonso-Gutierrez**, *"The variance conjecture on hyperplane projections of the ℓ_p^n balls"*
11:40 − 12:10 **D. Chafaï**, *"About the spectral edges"*