

“Winter School on Geometry and Probability”

January 22 - 26, 2024

organized by

Matthias Reitzner, Christoph Thäle & Elisabeth M. Werner

• Monday, January 22

08:45 - 09:15	<i>Arrival and Registration</i>
09:15 - 09:30	Welcome by HIM Director Christoph Thiele
09:30 - 10:30	Daniel Rosen <i>Random Polytopes I</i>
10:30 - 11:00	<i>Coffee break</i>
11:00 - 11:25	Dominik Beck <i>Mean distances in polyhedra</i>
11:30 - 12:30	Kateryna Tatarko <i>Isoperimetric problem: from classical to reverse I</i>
12:30 - 15:00	<i>Lunch break</i>
15:00 - 16:00	Clara Stegehuis <i>Optimization-based analysis of random graphs I</i>
16:00 - 16:30	<i>Coffee break</i>
16:30 - 16:55	Dylan Langharst <i>Is there a triangle inequality for measures of compact, convex sets?</i>

• Tuesday, January 23

09:30 - 10:30	Kateryna Tatarko <i>Isoperimetric problem: from classical to reverse II</i>
10:30 - 11:00	<i>Group Photo and Coffee break</i>
11:00 - 11:25	Jaume de Dios Pont <i>Query lower bounds for log-concave sampling</i>
11:30 - 12:30	Daniel Rosen <i>Random Polytopes II</i>

12:30 - 15:00	<i>Lunch break</i>
15:00 - 16:00	Clara Stegehuis <i>Optimization-based analysis of random graphs II</i>
16:00 - 16:30	<i>Coffee break</i>
16:30 - 17:00	Blitz talks
afterwards	Poster Session and Get-Together

• **Wednesday, January 24**

09:30 - 10:30	Clara Stegehuis <i>Optimization-based analysis of random graphs III</i>
10:30 - 11:00	<i>Coffee break</i>
11:10 - 11:25	Mathias Sonleitner <i>Critical intersection volumes of (Schatten) p-balls</i>
11:30 - 12:30	Daniel Rosen <i>Random Polytopes III</i>

• **Thursday, January 25**

09:30 - 10:30	Kateryna Tatarko <i>Isoperimetric problem: from classical to reverse III</i>
10:30 - 11:00	<i>Coffee break</i>
11:00 - 11:25	David Steigenberger <i>Random Beta Simplices and Parallelotopes</i>
11:30 - 11:55	Anna Strotmann <i>Poisson-Delaunay-Approximation</i>
12:00 - 12:25	Vanessa Trapp <i>Geometric functionals of polyconvex excursion sets of Poisson shot noise processes</i>
12:30 - 15:00	<i>Lunch break</i>
15:00 - 15:50	Beatrice-Helen Vritsiou <i>MM^*-estimates, regular M-ellipsoids, and distances between convex bodies</i>
16:00 - 16:30	<i>Coffee break</i>
16:30 - 16:55	Benedikt Rednoß <i>A Quantification of the Fourth Moment Theorem for Cyclotomic Generating Functions</i>

• **Friday, January 26**

09:30 - 10:20	Eli Putterman <i>On the variance and admissibility of empirical risk minimization on convex function classes</i>
10:30 - 11:00	<i>Coffee break</i>
11:00 - 12:00	Florian Besau <i>The floating body construction and its applications</i>