

12 June



7:00-8:45

BREAKFAST

8:45-9:00

Introduction and Welcome by IMAG Staff

9:00-9:45

Bo Berndtsson

Lecture 1: Superforms and volume of convex bodies

10:00-10:45

Alexandros Eskenazis

Discrete logarithmic Sobolev inequalities in Banach spaces

10:45-11:15

COFFEE BREAK

11:15-12:00

Quentin Mérigot

Lecture 1: Computational aspects of (quadratic) optimal transport

12:15-12:45

Alexander V Kolesnikov

Transportational proof of the functional Blaschke-Santaló inequality and related questions

12:45-13:00

GROUP PHOTO

13:00-14:45

LUNCH

15:00-15:45

David Alonso

Discrete Rogers-Shephard and Zhang-type inequalities

15:45-16:00

COFFEE BREAK

16:00-16:45

Oded Regev

Lecture 1: The Reverse Minkowski Theorem

17:00-17:45

Rotem Assouline

Brunn Minkowski inequalities for path spaces on Riemannian surfaces

DINNER

13 June



7:00-9:00

BREAKFAST

9:00-9:45

Bo Berndtsson

Lecture 2: Complex Brunn-Minkowski theory

10:00-10:45

Emanuel Milman

Multi-bubble isoperimetric problems old and news

10:45-11:15

COFFEE BREAK

11:15-12:00

Quentin Mérigot

Lecture 2: Computational aspects of (quadratic) optimal transport

12:15-13:00

Matthieu Fradelizi

Functional forms of Blaschke-Santaló's inequality and Mahler's conjecture for s -concave functions and link with transport-entropy inequality

13:00-14:45

LUNCH

14:45-15:30

Boaz Slomka

Isobarycentric inequalities

15:45-16:00

COFFEE BREAK

16:00-16:45

Oded Regev

Lecture 2: The Reverse Minkowski Theorem

17:00-17:45

Alexander Litvak

Volume ratio between projections of convex bodies

DINNER

14 June



7:00-9:00

BREAKFAST

9:00-9:45

Bo Berndtsson

Lecture 3: Bergman kernels and Paley-Wiener spaces

10:00-10:45

Kateryna Tatarko

Reverse isoperimetric problem under curvature constraints

10:45-11:15

COFFEE BREAK

11:15-12:00

Vladyslav Yaskin

An analogue of polynomially integrable bodies in even-dimensional spaces

12:15-13:00

Artem Zvavitch

Weighted Brunn-Minkowski theory

13:00-14:45

LUNCH

FREE AFTERNOON

DINNER

15 June



7:00-9:00

BREAKFAST

9:00-9:45

Daniel Dadush

An introduction to the Subspace Flatness Theorem and its Application to Integer Programming

10:00-10:45

Maria A. Hernandez Cifre

Dual volumes and dual polynomials

10:45-11:15

COFFEE BREAK

11:15-12:00

Grigoris Paouris

On marginals of uniform measure on p -Schatten balls

12:15-13:00

Monika Ludwig

Monge-Ampère measures and valuations

13:00-14:45

LUNCH

14:45-15:30

Galyna Livshyts

On the smallest singular value of inhomogeneous random matrices

15:30-16:00

COFFEE BREAK

16:00-16:45

Alexander Barvinok

A quick estimate for the volume of a polyhedron

16:45-17:30

Petros Valettas

Conditional concentration for functions of high-dimensional random arrays

DINNER

16 June



7:00-9:00

BREAKFAST

9:00-9:45

Beatriz-Helen Vritsiou

On the illumination conjecture for convex bodies with many symmetries

10:00-10:45

Eugenia Saorin Gomez

On refinements of classical inequalities under projection assumptions

10:45-11:15

COFFEE BREAK

11:15-12:00

Dmitry Ryabogin

On bodies with symmetric sections, floating bodies and related problems

12:15-13:00

Julián Haddad

Affine Hardy-Littlewood-Sobolev inequalities

13:00-14:30

LUNCH