



October 7 - 11, 2024

organized by

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 $Time\ measurement:\ CEST$

• Monday, October 7

08:30 - 09:00	Arrival and Self-Registration
09:00 - 09:05	Welcome by HIM Director Karl-Theodor Sturm
09:05 - 10:05	Rocco Servedio Sparsifying suprema of Gaussian processes
10:05 - 11:00	$Coffee\ break$
11:00 - 12:00	Joris Roos Isoperimetric and Poincaré inequalities on the Hamming cube
12:00 - 14:00	$Lunch\ break$
14:00 - 15:00	Tuomas Hytönen A geometric dichotomy for the discrete Hilbert transform
15:00 - 16:00	Polona Durcik Quantitative norm convergence of triple ergodic averages for commuting transformations
16:00 - 16:30	Coffee break
16:30 - 17:30	Li Gao Log-Sobolev inequalities for matrix-valued functions
from 17:30 on	${\it Get-Together}$

• Tuesday, October 8

09:15 - 10:15	Vjekoslav Kovač Sharp estimates for Gowers norms on discrete cubes
10:15 - 11:00	Group Photo and Coffee break
11:00 - 12:00	Justin Salez Entropy and curvature of Markov chains on metric spaces
12:00 - 14:00	Lunch break
14:00 - 15:00	Manor Mendel The pursuit of Hadamard expanders via rudimentary Walsh analysis
15:00 - 16:00	David Beltran From Kakeya-Brascamp-Lieb inequalities to localised variants of multi- linear Fourier restriction
16:00 - 16:30	Coffee break
16:30 - 17:30	José Ramón Madrid Padilla On convolution inequalities and applications

ullet Wednesday, October 9

09:15 - 10:15	Quanhua Xu Vector-valued Littlewood-Paley-Stein theory for semigroups
10:15 - 11:00	Coffee break
11:00 - 12:00	Florent Baudier Bi-Lipschitz and coarse embeddings of diamond graphs
12:00 - 14:00	Lunch break
14:00 - 15:00	Stefanie Petermichl Banach space geometry and the dyadic shift
15:00 - 16:00	Yuval Filmus Approximate polymorphisms
16:00 - 16:30	Coffee break
16:30 - 17:30	Guy Kindler A polynomial Bogolyubov-type result for the special linear group

• Thursday, October 10

09:15 - 10:15	Haonan Zhang On the Eldan-Gross Inequality
10:15 - 11:00	Coffee break
11:00 - 12:00	Assaf Naor TBA
12:00 - 14:00	Lunch break
14:00 - 15:00	Michael Dymond Lipschitz mappings of discrete metric spaces
15:00 - 16:00	Lenka Slaviková Dimension-free Sobolev-type embeddings in the Gauss space
16:00 - 16:30	Coffee break
16:30 - 17:30	Błażej Wróbel Dimension-free estimates for low degree functions on the Hamming cube

• Friday, October 11

09:15 - 10:15	Pandelis Dodos Random graphs and nonlinear spectral gaps
10:15 - 11:00	Coffee break
11:00 - 12:00	Noam Lifshitz Hypercontractivity and growth over finite groups
12:00 - 14:00	Lunch break