

Conference Schedule

Talks, posters, breaks, social program, and dinner

Monday

Time	Speaker / event	Length	Title / notes
08:30–8:50	Registration	20 min	
08:50–9:00	Announcements	10 min	
09:00–09:50	Jun Kigami	50 min	Heat kernel lower bound estimates for pure jump processes via averaged jump kernels
9:50–10:40	Maria (Masha) Gordina	50 min	Limit laws on metric measure spaces
10:40–11:10	Coffee break	30 min	
11:10–11:40	Aobo Chen	30 min	Stability of heat kernel bounds under pointed Gromov–Hausdorff convergence
11:40–12:10	Meng Yang	30 min	Local and non-local p -energies on metric measure spaces
12:10–13:30	Lunch + coffee	80 min	
13:30–14:20	Alexander Teplyaev	50 min	Convergence of Dirichlet Forms and Monotonicity on Non-Smooth Spaces
14:20–15:10	Naotaka Kajino	50 min	Two-sided heat kernel bounds for $\sqrt{8/3}$ -Liouville Brownian motion
15:10–15:40	Coffee break	30 min	
15:40–16:10	Ryosuke Shimizu	30 min	Singularity phenomena for energy measures and Sobolev spaces on fractals
16:10–17:00	Patricia Alonso-Ruiz	50 min	The isoperimetric inequality on fractals
17:00–17:30	Guang Yang	30 min	TBA

Tuesday

Time	Speaker / event	Length	Title / notes
09:00–09:50	Feng-Yu Wang	50 min	Entropy-Cost Inequality for McKean–Vlasov SDEs with Singular Interactions
09:50–10:40	Samy Tindel	50 min	Directed polymers in higher-dimensional Gaussian environments
10:40–11:10	Coffee break	30 min	
11:10–12:00	Cheng Ouyang	50 min	Parabolic Anderson Model beyond Euclidean Spaces
12:00–12:30	Effie Papageorgiou	30 min	L^p -asymptotic behavior of isotropic transition densities on homogeneous trees
12:30–13:30	Lunch + coffee	60 min	
13:30–14:20	Pierre Portal	50 min	Well-posedness of parabolic SPDE with bounded measurable coefficients in time, space, and the probability variable
14:20–15:10	Cyril Labbé	50 min	Small disorder limit of 1d random Schrödinger operators
16:00	Social program		Old Town museum tour

Wednesday

Time	Speaker / event	Length	Title / notes
09:00–09:50	Zhen-Qing Chen	50 min	Coupled time-fractional parabolic equations and probabilistic representation
09:50–10:40	El Maati Ouhabaz	50 min	A multiplicative inequality related to the Riesz transform on general Riemannian manifolds
10:40–11:10	Coffee break	30 min	
11:10–11:40	Phanuel Mariano	30 min	Dirichlet eigenfunction and heat kernel estimates for unbounded domains
11:40–12:10	Qi Hou	30 min	Heat kernel estimates for left-invariant diffusions on infinite dimensional compact groups
12:10–13:30	Lunch + coffee	80 min	
13:30–14:20	Robert Neel	50 min	Coupling diffusions in sub-Riemannian geometry
14:20–15:10	Céline Lacaux	50 min	Parabolic Anderson Model driven by Lévy-Fractional noise on Sierpiński Gasket
15:10–15:40	Coffee break	30 min	
15:40–16:30	Ivan Gentil	50 min	Mathematical research and its connections to technology, according to Günther Anders.
16:30–17:00	Magalie Bénéfice	30 min	Separation cut-off phenomenon for Brownian motions in high dimensional harmonic manifolds
17:00–17:30	Teije Kuijper	30 min	Brownian motion and stochastic areas on full flag manifolds
17:30–18:30	Posters	60 min	Poster session; see poster list below
18:30	Conference dinner		Mathematics cantine

Thursday

Time	Speaker / event	Length	Title / notes
09:00–09:50	Satomi Watanabe	50 min	Collisions of simple random walks on the range of a four-dimensional simple random walk
09:50–10:40	Sebastian Andres	50 min	Anchored Nash inequalities and heat kernel bounds for random conductance models with long-range jumps
10:40–11:10	Coffee break	30 min	
11:10–11:40	Shiping Cao	30 min	Boundary trace theorems for reflected jump processes
11:40–12:10	Liangbing Luo	30 min	Logarithmic Sobolev inequalities on infinite-dimensional reduced Heisenberg groups
12:10–13:30	Lunch + coffee	80 min	
13:30–14:20	David Tewodrose	50 min	Spectral properties of symmetrized AMV Laplacians
14:20–15:10	Seiichiro Kusuoka	50 min	Properties of the quantum fields constructed by the rotation-invariant approximation
15:10–15:40	Coffee break	30 min	
15:40–16:30	Michel Bonnefont	50 min	Large time behaviour for the semigroup of the kinetic Brownian motion in the plane
16:30–17:00	Emily Dautenhahn	30 min	Heat kernel estimates on glued graphs
17:00–17:50	Ismael Bailleul	50 min	TBA

Friday

Time	Speaker / event	Length	Title / notes
09:00–09:50	Luca Capogna	50 min	Neural Networks for Threshold Dynamics Reconstruction
09:50–10:40	Jian Wang	50 min	Stochastic homogenization of diffusions in turbulence driven by non-local symmetric Lévy operators
10:40–11:10	Coffee break	30 min	
11:10–12:00	Tai Melcher	50 min	TBA
12:00–12:50	Erlend Grong	50 min	Score matching and sub-Riemannian bridges
12:50–13:30	Lunch + coffee	40 min	

Wednesday poster session

Poster presenter	Poster title
Andrea Hurtado Quicén	Hypocoercive Langevin dynamics on the Lie group $SE(2)$
Brian Chao	Dirichlet eigenfunction and heat kernel estimates on annular domains
Dharmendra Chaurasia	Heat equations driven by mixed local-nonlocal operators with exponential nonlinearity
Donghwi Seo	A Probabilistic Approach to Shape Monotonicity Problems
Hongyi Chen	Martin Boundary and Weak Disorder
Marie Bormann	A Dynkin condition for manifolds with boundary
Shyam Swarup Mondal	Refined Strichartz estimates and their orthonormal counterparts for Schrödinger equations on the torus
Simon Hermann	Products of fractals, coordinates and diffusion coefficients
Xavier Ramos Olivé	Heat kernel and spectral estimates under integral curvature bounds
Christian Rose	Gaussian upper heat kernel bounds on graphs with unbounded geometry
Zijin Liu	Rigidity of the sub-Riemannian heat kernel on S^{2n+1}
