New Perspectives in the Analytic Theory of Automorphic Forms
25-29 September 2023
L3

Schedule

Monday 25 September

9:30-10:30	Wee Teck Gan, *Triality and the Spin L-function of PGSp(6)*
10:30-11:00	Coffee
11:00-12:00	Mathilde Gerbelli-Gauthier, *Counting non-tempered automorphic forms using endoscopy*
12:00-14:00	Lunch
14:00-15:00	Ian Petrow, *A Petersson/Kuznetsov formula with non-archimedean test functions, the spectral large sieve, and subconvexity*
15:00-15:30	Coffee
15:30-16:30	Abhishek Saha, *Mass equidistribution for Saito-Kurokawa lifts*

Tuesday 26 September

9:00-10:00	Farrell Brumley, *Concentration properties of theta lifts on orthogonal groups*
10:00-10:30	Coffee
10:30-11:30	Pierre-Henri Chaudouard, *The Gan-Gross-Prasad conjecture for Bessel periods of unitary groups I*
11:30-12:30	Raphaël Beuzart-Plessis, *The Gan-Gross-Prasad conjecture for Bessel periods of unitary groups II*
12:30-14:30	Lunch
14:30-15:30	Sug Woo Shin, *Endoscopic classification for unitary groups*
15:30-16:00	Coffee
16:00-17:00	Paul Nelson, *The orbit method, microlocal analysis and applications to L-functions*

Wednesday, 27 September – Clay Research Conference, L1

10:00-11:00	Valentin Blomer, *Density theorems and applications*
11:00-11:30	Coffee
11:30-12:30	John Pardon, *Derived moduli spaces of pseudo-holomorphic curves*
12:30-14:00	Lunch
14:00-15:00	Laure Saint Raymond, *What does entropy measure?*
15:00-15:30	Coffee
15:30-16:30	Chenyang Xu, *Kähler-Einstein metric, K-stability and moduli spaces*
16:30-17:30	Ivan Smith, *The work of John Pardon*
	Isabelle Gallagher, *The work of Frank Merle, Pierre Raphaël, Igor Rodnianski, Jérémie Szeftel*
	Presentation of the 2022 and 2023 Clay Research Awards
17:30-19:00	Reception in the Mathematical Institute

Thursday 28 September

9:00-10:00	Amitay Kamber, *Optimal Lifting and Sarnak's Density Conjecture*
10:00-10:30	Coffee
10:30-11:30	Subhajit Jana, *On the L2-bound of the Eisenstein series*

11:30-12:30	Edgar Assing, *On (automorphic) density theorems for principal congruence subgroups in* SL_n
12:30-14:30	Lunch
14:30-15:30	Jasmin Matz, *Towards a symplectic version of Duke's theorem*
15:30-16:00	Coffee
16:00-17:00	Shai Evra, *Cohomological Sarnak-Xue Density Hypothesis for SO_5*

Friday 29 September

9:00-10:00	Simon Marshall, *Subconvexity for L-functions on U(n) x U(n+1) in the depth aspect*
10:00-10:30	Coffee
10:30-11:30	Jesse Thorner, *A new zero-free region for Rankin-Selberg* L-*functions*
11:30-12:30	Erez Lapid, *Generic automorphic representations of classical groups: old and new*
12:30-14:30	Lunch
14:30-15:30	Werner Müller, *On the growth of torsion in the cohomology of arithmetic groups*
15:30-16:30	Coffee and free discussion