

# International conference on L-functions and automorphic forms

Vanderbilt University, May 13 to May 16, 2024

Organizers: Larry Rolen, Andreas Mono, Jesse Thorner

Location: Stevenson Center, Room 4309 (and 4327 for the Lightning talks)

## Monday, May 13:

08:30 – 08:55	Registration	
08:55 – 09:00	Dan Margalit	Opening remarks
09:00 – 09:50	Dorian Goldfeld	The functional equation of Langland's Eisenstein series for $SL(n, \mathbb{Z})$
10:00 – 10:30	Coffee Break	
10:30 – 11:20	Subhajit Jana	Motohashi formula and its generalization in a non-split case
11:30 – 01:30	Lunch	
01:30 – 02:20	Xiannan Li	One level density for a large orthogonal family of $SL_n$ -functions
02:30 – 03:20	Liyang Yang	Harmonic Analysis on $GL(n+1)$ and Rankin-Selberg L-Functions
03:30 – 04:00	Coffee Break	
04:00 – 04:50	Solomon Friedberg	Towards a New Shimura Lift

## Tuesday, May 14:

09:00 – 09:50	Kannan Soundararajan <b>(Shanks lecture)</b>	Covering integers by quadratic forms
10:00 – 10:30	Coffee Break	

10:30 – 11:20	Olivia Beckwith	A modular framework for generalized Hurwitz class numbers
11:30 – 01:30	Lunch	
01:30 – 02:20	Nick Andersen	A generalization of Kohnen's identity for Kloosterman sums
02:30 – 03:20	Eugenia Roşu	A higher degree Weierstrass function
03:30 – 04:00	Coffee Break	
04:00 – 04:50	Winnie Li	Hypergeometric functions, Galois representations, and modular forms
05:30 – 10:30	Game Terminal (201 Terminal Ct, Nashville, 37210) Shuttle service from and to campus offered!	

**Wednesday, May 15:**

09:00 – 09:50	Caroline Turnage-Butterbaugh	Averages of Long Dirichlet Polynomial Approximations of Primitive Dirichlet L-functions
10:00 – 10:30	Coffee Break	
10:30 – 11:20	Claire Burrin	Rational points on the sphere
11:30 – 01:30	Lunch	
01:30 – 02:20	Peter Humphries	Restricted Arithmetic Quantum Unique Ergodicity
02:30 – 03:20	Alexandre de Faveri	Non-escape of mass for automorphic forms in hyperbolic 4-manifolds
03:30 – 04:00	Coffee Break	
04:00 – 04:50	Farrell Brumley	Some new equidistribution results for tori in $GSp(4)$
05:00 – 05:30	Lightning talks	<i>See list of speakers below</i> <b>Room 4309 and 4327</b>

**Thursday, May 16:**

09:00 – 09:50	Chantal David	Moment of cubic L-functions over $F_q(t)$ at $s = 1/3$
10:00 – 10:30	Coffee Break	
10:30 – 11:20	Vorrapan Chandee	The eighth moment of $\Gamma_1(q)$ L-functions
11:30 – 01:30	Lunch	
01:30 – 02:20	Alia Hamieh	Moments of Rankin-Selberg L-functions in the prime-power level aspect
02:30 – 03:20	Alex Dunn	Quartic Gauss sums over primes and metaplectic theta functions
03:30 – 04:00	Coffee Break	
04:00 – 04:50	Gergely Harcos	The prime geodesic theorem in arithmetic progressions

Lightning talks:

- 1) Debmalya Basak
- 2) Bin Chen
- 3) Steven Creech
- 4) Claire Frechette
- 5) Aritra Ghosh
- 6) Jiaqi Hou
- 7) Phillip Lee Harris
- 8) Junxian Li
- 9) Simon L Marshall
- 10) Finn McGlade
- 11) Mahya Mehrabdollahi
- 12) Kalani Thalagoda
- 13) Peter Vang Uttenthal
- 14) Zhining Wei
- 15) Shifan Zhao
- 16) Sebastian Zuniga Alterman