

33rd Automorphic Forms Workshop

March 6-10, 2019

Duquesne University, Pittsburgh PA

Wednesday, March 6th - Graduate Student Bootcamp

8:30-9:30	Breakfast/Registration	College Hall First Floor Lobby
09:30-10:30	Lola Thompson	<i>What are modular forms? / CH104</i>
10:30-10:40	Questions	
10:40-11:00	Coffee/Tea Break	College Hall First Floor Lobby
11:00-12:00	Robert Lemke Oliver	<i>Why do modular forms have L-functions? / CH104</i>
12:00-12:10	Questions	
12:10-14:00	Lunch Break	
14:00-15:00	Ben Kane	<i>What are mock modular forms? From E_2 to Zwegers / CH104</i>
15:00-15:10	Questions	
15:10-15:30	Coffee/Tea Break	College Hall First Floor Lobby
15:30-16:30	Sudhir Pujahari	<i>Probabilistic methods and modular forms / CH104</i>
16:30-16:40	Questions	
16:45-17:45	Panel Discussion	<i>How to Navigate Your Early Career Path / CH104</i>

With funding from the National Science Foundation, the National Security Agency, and Elsevier Publishing.



Thursday, March 7th - 33rd Automorphic Forms Workshop

08:30-09:15	Breakfast/Registration	College Hall First Floor Lobby
09:15-09:25		Opening Remarks / CH104
09:25-09:50	Kimball Martin	<i>Ranks, root numbers and bias for small $a(p)$'s / CH104</i>
10:00-10:20	Shingo Sugiyama	<i>A cuspidal analogue of trace formula and nonvanishing central L-values for $GL(2) \times GL(3)$ / CH104</i>
10:30-10:50	Kyle Pratt	<i>Breaking the 1/2-barrier for the twisted second moment of Dirichlet L-functions / CH104</i>
	Alex Beckwith	<i>The nonvanishing of Rankin-Selberg L-functions at the special point in shortened spectral intervals / CH105</i>
10:50-11:20	Coffee/Tea Break	College Hall First Floor Lobby
11:20-12:00	Wissam Raji	<i>Non-Vanishing of L-functions of Hilbert Modular Forms in the Critical Strip / CH104</i>
	Daniel Shankman	<i>Local Langlands correspondence for Asai L and epsilon factors / CH105</i>
12:00-14:00	Lunch Break	
14:00-14:20	Marie Jameson	<i>Congruences for modular forms and generalized Frobenius partitions/ CH104</i>
14:30-14:50	Nahid Walji	<i>A conjectural refinement of strong multiplicity one / CH104</i>
15:00-15:20	Sudhir Kumar Pujahari	<i>Zeros of Dirichlet series attached to half-integral weight cusp forms and generalised Davenport-Heilbronn function / CH104</i>
15:20-15:40	Coffee/Tea Break	College Hall First Floor Lobby
15:40-16:10	Jesse Thorner	<i>Mass equidistribution on average / CH104</i>
16:20-16:50	Peter Humphries	<i>Archimedean newform theory / CH104</i>
17:00-17:30	Henrik Bachmann	<i>Modular forms and multiple zeta values / CH104</i>

Friday, March 8th - 33rd Automorphic Forms Workshop

08:30-09:00	Breakfast	College Hall First Floor Lobby
09:00-09:20	Michael Allen	<i>Existence of eta-quotients of squarefree levels / CH104</i>
	Shashika Petta Mestriga	<i>Congruences for the partition function $p_{[1^c, 11^d]}(n)$ / CH105</i>
09:30-09:50	Rongqing Ye	<i>Epsilon factors over finite field / CH104</i>
	Jonathan Hales	<i>Modular Parameterizations of Elliptic Curves / CH105</i>
10:00-10:20	Grant Molnar	<i>The Arithmetic of Modular Grids / CH104</i>
	Lea Beneish	<i>Weierstrass mock modular forms and a dimension formula / CH105</i>
10:30-10:50	Coffee/Tea Break	College Hall First Floor Lobby
10:50-11:20	Subhajit Jana	<i>Analytic Newvector Theory and Applications / CH104</i>
	Allison Arnold-Roksandich	<i>Establishing Several Infinite Families of Mock Modular Forms / CH105</i>
11:30-12:00	Jiakun Pan	<i>Quantum unique equidistribution for Eisenstein series in the level aspect / CH104</i>
	Jan-Willem van Ittersum	<i>A supersymmetric Bloch-Okounkov theorem / CH105</i>
12:00-14:00	Lunch Break	
14:00-14:20	Steven J. Miller	<i>Rank and Bias in Families of Curves via Nagaos Conjecture / CH104</i>
14:30-14:50	Sonja Zunar	<i>Integral non-vanishing criteria for Poincaré series / CH104</i>
15:00-15:20	Lola Thompson	<i>The Fourier coefficients of Eisenstein series newforms / CH104</i>
15:20-15:40	Coffee/Tea Break	College Hall First Floor Lobby
15:40-16:10	Shaul Zemel	<i>Shintani Lifts of Nearly Holomorphic Modular Forms / CH104</i>
16:20-16:40	Robert J. Lemke Oliver	<i>Number fields and class groups / CH104</i>
16:50-17:20	Balakrishnan Ramakrishnan	<i>On Shimura and Shintani lifts for certain subspaces of modular forms / CH104</i>
17:30-18:00	3-minute speed talks	<i>Various topics / CH104</i>

Saturday, March 9th - 33rd Automorphic Forms Workshop

08:30-09:00	Breakfast	College Hall First Floor Lobby
09:00-09:20	John Bergdall	<i>Upper bounds for constant slope p-adic families of modular forms / CH104</i>
09:30-09:50	Jordan Hardy	<i>Special Values of Genus Two Modular Forms with Interesting Divisors / CH104</i>
	Adrian Hauffe-Waschbusch	<i>Cuspidality and Fourier coefficients of Hermitian modular forms / CH105</i>
10:00-10:20	Liubomir Chiriac	<i>On the equality case of the Ramanujan Conjecture for Hilbert modular forms / CH104</i>
	Bin Guan	<i>Exact averages of central values of triple product L-functions via the relative trace formula / CH105</i>
10:30-10:50	Coffee/Tea Break	College Hall First Floor Lobby
10:50-11:20	Brian Hwang	<i>Orthogonal and symplectic families of algebraic automorphic forms / CH104</i>
11:30-12:00	Krzysztof Klosin	<i>Modularity of mod p Galois extensions / CH104</i>
12:00-14:00	Lunch Break	
14:00-14:20	Benjamin Linowitz	<i>Constructing non-compact isospectral non-isometric hyperbolic 3-manifolds / CH104</i>
14:30-14:50	Rizwanur Khan	<i>Distribution of mass of automorphic forms / CH104</i>
15:00-15:20	Shenhui Liu	<i>Spectral analog of Selberg's result on $S(T)$ / CH104</i>
15:20-15:40	Coffee/Tea Break	College Hall First Floor Lobby
16:00-16:40	Thomas Rüd	<i>Computing Tamagawa numbers of algebraic tori arising as centralisers of regular semisimple elements / CH104</i>
	Andrew Salch	<i>Why we hope "topological Maass forms" exist / CH105</i>
17:00-18:00	Panel Discussion	<i>Forging productive relationships along the vertical axis / CH104</i>

Sunday, March 10th - 33rd Automorphic Forms Workshop

08:30-09:00	Breakfast	College Hall First Floor Lobby
09:00-09:20	Luca Candelori	<i>Integrality Properties of the Weil Representation of a finite quadratic module / CH104</i>
09:30-09:50	Keshav Aggarwal	<i>Weyl bound for $GL(2)$ L-functions in t-aspect / CH104</i>
	Felix Schaps	<i>Fourier coefficients of Eisenstein series for orthogonal groups / CH105</i>
10:00-10:20	Liyang Yang	<i>Arithmetic Distribution of Tempered Components of Cuspidal Representations of $GL(3)$ / CH104</i>
	Walter Bridges	<i>Kadell-type Partition Inequalities and Applications to Sum-Product Conjectures of Kanade-Russell / CH105</i>
10:30-10:50	Coffee/Tea Break	College Hall First Floor Lobby
10:50-11:20	Zhuohui Zhang	<i>Bernstein-Zelevinsky Derivatives and Their Analogues / CH104</i>
	Fikreab Admasu	<i>Subgroups growth zeta functions and Hecke algebras / CH105</i>
11:30-12:00	Dylon Chow	<i>Integral Points by Height on the Wonderful Compactification / CH104</i>
	Shaoyun Yi	<i>Klingen p^2 vectors for $GSp(4)$ / CH105</i>