

CONFERENCE SCHEDULE

ROOMS AND VENUE

NOTE: Talks on Sunday in Embassy Suites

Talks on Wed-Sat are at the UNT Gateway Center in Room 035, Room 051, and Room 052. Talks on Sunday are at the Embassy Suites in Appaloosa/Quarter and Palomino.

WEDNESDAY, APR 30, 2025

Time	Room 035	Room 051	Room 052
9:30 – 9:55	Coffee		
9:55 – 10:00	Opening Remarks		
Chair	Lea		
10:00 – 10:50	Parimala Raman <i>Millican Lecture: A Hasse principle for reductive groups over function fields</i>		
Chair	Olav		
11:10 – 11:30	Paul Jenkins <i>Modular forms with only non-negative coefficients</i>	Alexander Amit Ophir <i>Projective smooth mod-p representations of p-adic groups</i>	Erin Pierce Mahendra Verma <i>Distinguished representations and symplectic period</i>
11:40 – 12:00	Abhash Jha <i>Fourier coefficients of Jacobi Poincare series over Cayley half space and applications</i>	Ergun Suer <i>Self-Dual Representations of $SL(n, F)$</i>	Shilin Lai <i>Relative Satake isomorphism and Euler systems</i>
12:00 – 2:00	Lunch		
Chair	Martin Raum		
2:00 – 2:20	Karen Taylor <i>Sturm bound for cuspidal quaternionic modular forms on $SO(4, 3)$</i>	Lance Miller Gefei Dang <i>Newforms for local unitary groups</i>	Asimina Hamakiotes K. Krishnamoorthy <i>Large Fourier coefficients of half integral weight Hilbert modular forms</i>
2:30 – 2:50	Erin Pierce <i>Fourier coefficients of Siegel Eisenstein series</i>	Jacksyn Bakeberg <i>Excursion functions on p-adic SL_2</i>	Chris Xu <i>Special cycles on G_2</i>
3:00 – 3:20	Alan Zhao <i>Siegel modular forms and moduli</i>	N. Wattanawanichkul <i>Holomorphic quantum unique ergodicity and weak subconvexity for L-functions</i>	
3:30 – 4:10	Coffee Break		
4:10 – 4:30	Alexander Bauman <i>p-adic interpolation of Bessel periods on GSp_4</i>	Marcella Manivel <i>Automorphic Dirac operators</i>	Alexis Newton <i>Low-degree points on some rank 0 modular curves</i>
4:40 – 5:00	Pan Yan <i>L-functions for $Sp(2n) \times GL(k)$ via non-unique models</i>	Shilpi Mandal <i>Strong u-invariant for complete ultrametric fields</i>	Adithya Chakravarthy <i>Iwasawa μ-invariants of elliptic curves</i>

THURSDAY, MAY 1, 2025

Time	Room 035	Room 051	Room 052
9:30 – 10:00	Coffee		
Chair	Alexander		
10:00 – 10:50	Sug Woo Shin <i>Millican Lecture: Endoscopic classification for classical groups</i>		
Chair	Olav	Paul Jenkins	Debanjana
11:10 – 11:30	Andreas Mono <i>A modular framework for generalized Hurwitz class numbers</i>	Dan Barake <i>Characters in p-adic VOAs via modular linear differential equations</i>	Matt Broe <i>The Beilinson-Bloch conjecture over function fields</i>
11:40 – 12:00	Kalani Thalagoda <i>Summation formula for Hurwitz class numbers</i>	Michael Mertens <i>On balanced holomorphic VOAs of central charge 32</i>	Qi Peikai <i>An analogue of the Greenberg pseudo-null conjecture for CM fields</i>
12:00 – 2:00	Lunch		
Chair	Lea	Andreas Mono	Kim Klinger-Logan
2:00 – 2:20	T. Driscoll-Spittler <i>Automorphic forms associated with Conway's group</i>	Koustav Banerjee <i>Laguerre inequalities for sequences arising from modular and (non) modular objects</i>	J.-P. Llerena-Cordova <i>Numerical study of refined conjectures of the Birch-Swinnerton-Dyer type</i>
2:30 – 2:50	Holly Swisher <i>Modular functions and the monstrous exponents</i>	Walter Bridges <i>Mixed modularity, partitions and the circle method</i>	Hui Xue <i>A strong multiplicity one theorem and applications</i>
3:00 – 3:20	Wade Twyford <i>Arithmetic connections to Mathieu moonshine in weight $3/2$</i>	Jayashree Kalita <i>On conjectures of Andrews</i>	Haochen Wu <i>Hilbert modular forms from orthogonal modular forms on binary lattices</i>
3:30 – 4:10	Coffee Break		
4:10 – 5:00	Panel (Murty: Dunn, Hamakiotes, Jenkins, Swisher) <i>The academic job market</i>		

FRIDAY, MAY 2, 2025

Time	Room 035	Room 051	Room 052
9:30 – 10:00	Coffee		
Chair	Debanjana		
10:00 – 10:50	Kumar Murty <i>Clay Lecture: L-functions and Poincare series</i>		
Chair	Martin Raum	Michael Allen	Alexis Newton
11:10 – 11:30	David Farmer <i>Patterns in the landscapes of L-functions</i>	Robert Hough <i>Lower order terms in the shape of cubic fields</i>	Himanshi Chanana <i>Asymptotics for the Fourier coefficients attached to automorphic forms along polynomial sequences</i>
11:40 – 12:00	Alex Dunn <i>Non-vanishing for cubic Hecke L-functions</i>	Ramin Takloo-Bighash <i>Recent progress on the distribution of rational and integral points on homogeneous varieties</i>	Maryam Alzahrani <i>Some explicit descriptions of characters stabilizing smooth complex representations of $GL(r, D)$ with a p-adic division algebra D</i>
12:00 – 2:00	Lunch		
Chair	Alex Dunn	Alexander	Holly Paige Chaos
2:00 – 2:20	Meghali Garg <i>Equivalent criteria for the Riemann hypothesis for a general class of L-functions</i>	Eun Hye Lee <i>Automorphic form twisted Shintani zeta functions over number fields</i>	Erick Ross <i>When exactly will the new-spaces exist?</i>
2:30 – 2:50	Steven Creech <i>Explicit zero free regions of automorphic L-functions</i>	Pico Gilman <i>On the density of low-lying zeros of a large family of automorphic L-functions</i>	Tian An Wong <i>Periods of Bianchi modular forms: progress and problems</i>
3:00 – 3:20	Debmalya Basak <i>Surfaces associated to zeros of automorphic L-functions</i>	Shifan Zhao <i>Low-lying zeros of Hilbert modular L-functions weighted by powers of central L-values</i>	Swati <i>Explicit images for the Shimura Correspondence</i>
3:30 – 4:10	Coffee Break		
4:10 – 4:30	Joshua Stucky <i>The fourth moment of quadratic Dirichlet L-functions</i>	Zhiyu Zhang <i>On twisted Gan-Gross-Prasad conjecture</i>	Jaban Meher <i>On the zeros of generalized Ramanujan polynomials</i>
4:40 – 5:00	Kam Cheong Au <i>Witten zeta function at negative integers</i>	Weixiao Lu <i>The global Gan-Gross-Prasad conjecture for the Fourier-Jacobi periods on the unitary groups</i>	Ajith Nair <i>Explicit composition identities for higher composition laws</i>

SATURDAY, MAY 3, 2025

Time	Room 035	Room 051	Room 052
9:30 – 10:00	Coffee		
Chair	Lea		
10:00 – 10:50	Ken Ribet <i>Clay Lecture: Cyclotomic torsion points on abelian varieties</i>		
Chair	Olav	Debanjana	Claire Frechette
11:10 – 11:30	Scott Ahlgren <i>Congruences like Atkin's for Frobenius partitions</i>	S. Miller & A. Narayanan <i>An excised orthogonal model for families of cusp forms</i>	Brandt Kronholm <i>New generating functions for Gaussian polynomials</i>
11:40 – 12:00	Cruz Castillo <i>Arithmetic properties of m-colored Frobenius partitions</i>	G. Bruda & R. Marquez <i>Optimizing test functions to bound the lowest zeros of cuspidal new forms</i>	Joselyne Ancieto <i>Congruences in arithmetic progression for coefficients of Gaussian polynomials and crank statistics</i>
12:00 – 12:10	Conference Picture		
12:10 – 2:00	Lunch		
Chair	Scott Ahlgren	Adithya Chakravarthy	Holly Swisher
2:00 – 2:20	Clayton Williams <i>Hecke relations for eta multipliers and congruences for higher-order smallest parts functions</i>	Kim Klinger-Logan <i>String theory and differential equations involving automorphic forms</i>	Jena Gregory <i>Cranks witnessing an infinite family of congruences for a sum of partition functions</i>
2:30 – 2:50	Mike Hanson <i>Eisenstein series modulo p^2</i>	Shubham Nikam <i>Poincaré series solution to differential equations involving integer-valued Eisenstein series</i>	Archit Agarwal <i>One variable generalizations of five entries of Ramanujan</i>
3:00 – 3:20	Martin Raum <i>Theta cycles of modular forms modulo p^2</i>	Saikat Biswas <i>On a refinement of the Cassels-Poitou-Tate dual exact sequence</i>	William Craig <i>Integer partitions detect the primes</i>
3:30 – 4:10	Coffee Break		
4:10 – 5:00	Panel (Raum: Ahlgren, Bourdon, Klinger-Logan, Ribet) <i>How to succeed in academia?</i>		

SUNDAY, MAY 4, 2025

Time	Appaloosa/Quarter	Palomino
9:30 – 10:10	Coffee	
Chair	Erin Pierce	Alexander
10:10 – 10:30	Jonathan Cohen <i>Bessel models of depth zero supercuspidal representations of p-adic $GSp(4)$</i>	Hao Peng <i>Fargues-Scholze vs. classical parameters, and applications</i>
10:40 – 11:00	Asimina Hamakiotes <i>Abelian extensions arising from elliptic curves with complex multiplication</i>	Zachary Porat <i>Advances in computations on the cohomology of congruence subgroups of $SL(3, \mathbb{Z})$</i>
11:10 – 11:30	Abbey Bourdon <i>Polynomial bounds on torsion from rational geometric isogeny classes</i>	Mohit Tripathi <i>Hypergeometric functions and their applications</i>
11:40 – 12:00	Agniva Dasgupta <i>Analytic ranks of elliptic curves over cyclotomic fields</i>	Michael Allen <i>Explicit modularity of hypergeometric Galois representation</i>
12:00 – 2:00	Lunch	
Chair	Abbey Bourdon	Shilin Lai
2:00 – 2:20	Arijit Chakraborty <i>A power-saving error term in counting $C_2 \wr H$ number fields</i>	
2:30 – 2:50	Holly Paige Chaos <i>Weierstrass points on hyperelliptic Shimura curves</i>	Ajmain Yamin <i>Quaternionic analogues of Zagier's sums of binary quadratic forms</i>
3:00 – 3:20	Bobby (Zixuan) Zhang <i>Orthogonal Friedberg-Jacquet periods</i>	Berend Ringeling <i>Zeros of modular forms</i>
3:30 – 4:10	Coffee Break	
4:10 – 4:30	Lance Miller <i>An introduction to delta-modular forms</i>	Mulun Yin <i>Anticyclotomic Iwasawa theory of newforms at good and bad Eisenstein prime</i>
4:40 – 5:00	Claire Frechette <i>Large sums of divisor-bounded multiplicative functions</i>	Manuel Müller <i>The Picard group of the Baily-Borel compactification of orthogonal Shimura varieties</i>