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

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

FRIDAY, MAY 2, 2025

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

Saturday, May 3, 2025

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

Sunday, May 4, 2025

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