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 princ	tiple for reductive groups over fun	action 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 rep- resentations 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 subcon- vexity for L-functions	Holly Paige Chaos Weierstrass points on hyperel- liptic Shimura curves
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 com- plete ultrametric fields	Adithya Chakravarthy Iwasawa μ -invariants of ellip- tic curves

Time	Room 035	Room 051	Room 052
9:30 - 10:00		Coffee	
Chair	Alexander		
10:00 - 10:50	Sug Woo Shin Millican Lecture: Endoscopic cl	assification for classical groups	
Chair	Olav	Paul Jenkins	Debanjana
11:10 - 11:30	Andreas Mono A modular framework for gen- eralized Hurwitz class num- bers	Dan Barake Characters in p-adic VOAs via modular linear differential equations	Matt Broe The Beilinson-Bloch conjec- ture over function fields
11:40 - 12:00	Kalani Thalagoda Summation formula for Hur- witz 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 se- quences arising from modular and (non) modular objects	JP. 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 the- orem 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, Hama The academic job market	akiotes, Jenkins, Swisher)	

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 P	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 auto- morphic forms along polyno- mial sequences
11:40 - 12:00	Alex Dunn Non-vanishing for cubic Hecke L-functions	Ramin Takloo-Bighash Recent progress on the distri- bution of rational and integral points on homogeneous vari- eties	Maryam Alzahrani Some explicit descriptions of characters stabilizing smooth complex representations of GL(r, D) with a p-adic divi- sion 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 gen- eral class of L-functions	Eun Hye Lee Automorphic form twisted Shintani zeta functions over number fields	Erick Ross When exactly will the new- spaces exist?
2:30 - 2:50	Steven Creech Explicit zero free regions of automorphic L-functions	Pico Gilman On the density of low-lying ze- ros of a large family of auto- morphic 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 qua- dratic 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 nega- tive 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

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 cus- pidal 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 mul- tipliers and congruences for higher-order smallest parts functions	Kim Klinger-Logan String theory and differential equations involving automor- phic 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 involv- ing integer-valued Eisenstein series	Archit Agarwal One variable generalizations of five entries of Ramanujan
3:00 - 3:20	$\begin{array}{l} \textbf{Martin Raum} \\ Theta \ cycles \ of \ modular \ forms \\ modulo \ p^2 \end{array}$	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, Bor How to succeed in academia?	urdon, Klinger-Logan, Ribet)	

SUNDAY, MAY 4, 2025

Time	$\operatorname{Appaloosa}/\operatorname{Quarter}$	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. classica parameters, and applications
10:40 - 11:00	Asimina Hamakiotes Abelian extensions arising from elliptic curves with complex multiplication	Zachary Porat Advances in computations of the cohomology of congruenc subgroups of $SL(3,\mathbb{Z})$
11:10 - 11:30	Abbey Bourdon Polynomial bounds on tor- sion from rational geometric isogeny classes	Mohit Tripathi Hypergeometric functions an their applications
11:40 - 12:00	Agniva Dasgupta Analytic ranks of elliptic curves over cyclotomic fields	Michael Allen Explicit modularity of hyper geometric Galois representa tion
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	
2:30 - 2:50	Louis Gaudet Counting biquadratic number fields that admit quaternionic and dihedral extensions	Ajmain Yamin Quaternionic analogues of Za gier's sums of binary qua dratic 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 the ory of newforms at good an 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 or