

23rd Annual Workshop on Automorphic Forms and Related Topics¹

Tuesday, March 10, morning session

Continental Breakfast 8:30

- 9:20-9:25 – Welcoming remarks
- 9:30 - 10:00 – Lloyd Kilford (University of Bristol),
“Computing with Modular Forms”
- 10:30 - 11:10 – Stefan Lemurell (Chalmers University of Technology and Gothenburg),
“Computing $GL(3)$ Maass forms”
- 11:30 - 12:00 – Darrin Doud (Brigham Young University),
“Modular symbols and a conjecture of Gunnells”

Lunch 12:00 - 2:00

Tuesday, March 10, afternoon session

- 2:00 - 2:30 – Brundaban Sahu (University College, Dublin),
“Rankin-Cohen Brackets and van der Pol-Type Identities for Ramanujan’s Tau Function”
- 2:45 - 3:15 – Michael Dewar (University of Illinois, Urbana-Champaign),
“Ramanujan Congruences in Inverses of Modular Forms”
- 3:30 - 4:00 – Zachary Kent (University of Hawai’i),
“Eichler cohomology and period polynomials of mock modular forms and their shadows”
- 4:15 - 4:35 – Yingkun Li (Caltech),
“Distribution of the powers of the partition function modulo ℓ^j ”

Conference Dinner 5:30 - 7:30

Wednesday, March 11, morning session

Continental Breakfast 8:30

- 9:30 - 10:10 – Wladimir Pribitkin (College of Staten Island, CUNY),
“Revenge of the Trivial Zeros”
- 10:30 - 11:00 – Hung Bui (University of Oxford),
“Gaps between zeros of the Riemann zeta-function”
- 11:20 - 12:00 – Karen Taylor (Hunter College, CUNY),
“Poincare series formed with eta multiplier”

Lunch 12:00 - 2:00

Wednesday, March 11, afternoon session

- 2:00 - 2:40 – Hendrik Kasten (Universität Heidelberg),
“Algebraicity of special values of Rankin-Selberg L-functions”
- 3:00 - 3:30 – Luis Lomeli (University of Iowa),
“On the L-functions $L(s, \pi, Sym^2)$, $L(s, \pi, \wedge^2)$ and related local factors”

First Panel Discussion – 3:45 - 4:45 , “How to choose a journal for a paper you’ve written”

¹The conference has been funded through the generous support of Bucknell University and the Number Theory Foundation

Thursday, March 12, morning session**Continental Breakfast 8:30**

- 9:30 - 10:10 – Nils-Peter Skoruppa (Universität Siegen),
“Infinite families of theta blocks”
- 10:30 - 11:00 – Cris Poor (Fordham University) and David Yuen (Lake Forest College),
“Modular forms of weight 8 for the Theta group”
- 11:10 - 11:30 – Ralf Beckmann (Universitaet Tuebingen),
“Invariant trilinear functionals and Automorphic Forms”
- 11:40 - 12:00 – Tom Shemanske (Dartmouth College),
“Split Orders and Convex Polytopes in Buildings”

Lunch 12:00 - 2:00**Thursday, March 12, afternoon session**

- 2:00 - 2:40 – Marvin Knopp (Temple University),
“Estimating Fourier coefficients of vector-valued modular forms”
- 3:00 - 3:40 – Geoff Mason (UC-Santa Cruz),
“Fourier coefficients of vector-valued modular forms”
- 4:00 - 4:30 – Fredrik Strömberg (TU-Darmstadt),
“On computations of vector-valued non-holomorphic Poincaré series and harmonic weak
maass forms”

Second Panel Discussion – 4:45 - 5:45, “Finding problems for students”**Friday, March 13, morning session****Continental Breakfast 8:30**

- 9:15 - 9:45 – David Farmer (American Institute of Mathematics),
“L-functions and random matrix theory”
- 10:00 - 10:20 – Paul Jenkins (Brigham Young University),
“Coefficients and lifts of modular forms on $\Gamma_0(3)$ ”
- 10:30 - 11:00 – Margaret Upton (Texas A and M),
“Equidistribution of Eigenvalues of Hecke Operators”
- 11:20 - 11:50 – Wissam Raji (American University of Beirut),
“A Class of Modular Functions”

Lunch 12:00 - 2:00**Friday, March 13, afternoon session**

- 2:00 - 2:20 – Shuichi Hayashida (Universität Siegen),
“Jacobi Eisenstein series and Hecke operators”
- 2:30 - 3:00 – Hatice Boylan (Universität Siegen),
“Hilbert-Jacobi Forms of Critical Weight on the Full Modular Group”
- 3:15 - 3:45 – Michael Daniel (Drexel University),
“Relations of Eisenstein Series in Function Fields”
- 4:00 - 4:20 – Catherine Tentracoste (Clemson University),
“Drinfeld Modules”