CTNT 2016 Research Conference  
Elliptic Curves, Modular Forms and Related Topics  
August 12-14, 2016

Conference Schedule

Plenary Talks will be held in BPB 131  
Contributed Talks (parallel sessions) will be held in BPB 130, BPB 131, and PB 36.  
Breakfast/Refreshments/Registration will be held outside of BPB 130/131.

**Friday, August 12, 2016**

1:25pm - 1:30pm . . . . . . Welcome and Introduction
1:30pm - 2:25pm . . . . . . Bill Duke (UCLA)  
The distribution of certain surfaces associated to real quadratic fields
2:30pm - 3:00pm . . . . . . Break
3:00pm - 3:55pm . . . . . . Ken Ono (Emory)  
Zeta polynomials for modular forms
4:00pm - 4:20pm . . . . . . Break
4:20pm - 5:45pm . . . . . . Contributed Talks, Parallel Sessions 1a, 1b

     Session 1a (BPB 131)  
     4:20pm - 4:40pm Luca Candelori (LSU)  
     Geometric and p-adic aspects of mock modular forms
     4:50pm - 5:10pm Holly Swisher (Oregon State)  
     Quantum mock modular forms arising from eta-theta functions
     5:20pm - 5:40pm Chang Heon Kim (Sungkyunkwan U)  
     Weakly holomorphic Hecke eigenforms and Hecke eigenpolynomials

     Session 1b (BPB 130)  
     4:20pm - 4:40pm Michael Chou (UConn)  
     Torsion of rational elliptic curves over the maximal abelian extension of Q
     4:50pm - 5:10pm Rachel Davis (Purdue)  
     Origami Galois representations
     5:20pm - 5:40pm Ozlem Ejder (USC)  
     Torsion groups of elliptic curves over quadratic cyclotomic fields in elementary abelian 2-extensions

Special Event (Laurel Hall 102):  
7:45pm - 9:45pm “The Man Who Knew Infinity” (film)  
9:45pm - 10:15pm Q&A with Ken Ono (film consultant and associate producer)
Saturday, August 13, 2016

8:45am - 9:15am ...... Refreshments/Coffee
9:15am - 10:10am ...... Ling Long (LSU)
        Hypergeometric functions over finite fields
10:15am - 10:40am ...... Break
10:40am - 11:35am ...... Jeffrey Lagarias (Michigan)
        The Lerch zeta function and the Heisenberg group
11:40am - 1:15pm ...... Lunch Break
1:15pm - 1:50pm ...... Michael Griffin (Princeton)
        Thompson Moonshine
1:55pm - 2:15pm ...... Break
2:15pm - 2:50pm ...... Nick Andersen (UCLA)
        Kloosterman sums and Maass cusp forms of half-integral weight
2:55pm - 3:25pm ...... Break
3:25pm - 5:35pm ...... Contributed Talks, Parallel Sessions 2a, 2b, 2c

Session 2a (BPB 131)
3:25pm - 3:45pm Hui Xue (Clemson)
        Degree two monomial relations between eigenforms
4:00pm - 4:20pm Shenhui Liu (Ohio State)
        Central L-derivative values of automorphic forms
4:35pm - 4:55pm Jeff Manning (UCChicago)
        Multiplicities of Galois representations in the mod-l cohomology of Shimura curves
5:10pm - 5:30pm Rufei Ren (UC Irvine)
        Slopes for higher rank Artin-Schreier-Witt towers

Session 2b (BPB 130)
3:25pm - 3:45pm E. Mehmet Kiral (Texas A&M)
        The Voronoi formula and double Dirichlet series
4:00pm - 4:20pm Edmund Karasiewicz (Rutgers)
        Weyl group multiple Dirichlet series and Fourier coefficients of Eisenstein series on
        the double cover of GL(3,R)
4:35pm - 4:55pm Fan Zhou (Ohio State)
        Sato-Tate and Plancherel equidistribution of Satake parameters
5:10pm - 5:30pm Dong Sung Yoon (KAIST)
        Generators of Siegel modular function fields of higher genus and level

Session 2c (PB 36)
3:25pm - 3:45pm Daeyeol Jeon (Kongju National)
        Modular curves with infinitely many cubic points
4:00pm - 4:20pm Wade Hindes (CUNY)
        The average number of integral points in orbits
4:35pm - 4:55pm Antonella Perucca (U. Regensburg)
        Reductions of elliptic curves
5:10pm - 5:30pm Christine McMeekin (Cornell)
        On the distribution of splitting behavior in number fields depending on p

Special Event (Alumni Hall):
7:00pm - 9:00pm Banquet Dinner, for registered participants
Sunday, August 14, 2016

8:45am - 9:15am ...... Refreshments/Coffee

9:15am - 10:10am ...... Kiran Kedlaya (UCSD)
Introducing the L-Functions and Modular Forms Database

10:15am - 10:40am ...... Break

10:40am - 11:35am ...... Rachel Pries (Colorado State)
Galois action on Fermat curves and Heisenberg extensions

11:40am - 1:15pm ...... Lunch Break

1:15pm - 1:50pm ...... John Bergdall (Boston University)
Geometric properties of p-adic families of automorphic forms and applications