PA_{metto} N_{umber} T_{heory} S_{eries}

SCHEDULE OF ACTIVITIES
(Coffee and refreshments are in the Wyman Williams Room, next to 412.)

SATURDAY, DECEMBER 1, 2012

9:30 COFFEE AND OTHER REFRESHMENTS

10:00 [LC 412] Rodney Keaton (Clemson Univ), A congruence between Ikeda lifts and non-Ikeda lifts
10:00 [LC 405] Yongqiang Zhao (University of Wisconsin), Counting cubic extensions of rational function fields

10:30 [LC 412] Saikat Biswas (Georgia Tech), Tamagawa torsors of an Abelian variety
10:30 [LC 405] Marie Jameson (Emory University), Quadratic polynomials, period polynomials, and Hecke operators

11:00 [LC 412] Benedict Gross (Harvard University), On the values of zeta functions at negative integers and the dimension of spaces of modular forms

12:05 LUNCH (a list of restaurants in the area will be made available)

1:30 [LC 412] Matt Young (Texas A&M University), Restrictions of automorphic forms and L-functions

2:35 COFFEE BREAK

2:50 [LC 412] Dermot McCarthy (Texas A&M University), Transformation properties of finite field hypergeometric functions
2:50 [LC 405] Lola Thompson (University of Georgia), Sums of distinct divisors

3:20 [LC 412] Nathan Green (Brigham Young University), Integrality preserving lifts for level 3 forms
3:20 [LC 405] Hua Wang (Georgia Southern), Compositions, tilings, and numerical strings

3:50 [LC 412] Alyson Deines (University of Washington), On an algorithm for computing degrees of parametrizations of elliptic curves by Shimura curves

4:40 COFFEE BREAK

4:55 [LC 412] Winfried Kohnen (Ruprecht-Karls-Universität Heidelberg Mathematisches Institut), Sign changes of Fourier coefficients of cusp forms

6:00 Supper (a list of restaurants in the area will be made available)

7:45 Social Gathering (Frank Thorne’s house; see map)

The organizers thank the National Science Foundation, the National Security Agency and the Mathematics Department at the University of South Carolina for their support.
8:30 COFFEE AND OTHER REFRESHMENTS

9:00 [LC 412] Wei Ho (Columbia University/Princeton University), Ranks of elliptic curves over quadratic extensions

10:00 [LC 412] Hang Xue (Columbia University), The height of a canonical point in the Jacobian of a genus four curve

10:00 [LC 405] Nguyen Ngoc Dong Quan (University of British Columbia), Generalized Mordell curves, generalized Fermat curves, and the Hasse principle

10:25 COFFEE BREAK

10:40 [LC 412] Carl Pomerance (Dartmouth College), Balanced subgroups of the multiplicative group

11:50 [LC 412] Michael Griffin (Emory University), SU(2)-Donaldson invariants of the complex projective plane

11:50 [LC 405] Robert Lemke Oliver (Emory University), Representation by ternary quadratic forms

12:20 [LC 412] Adele Lopez (Emory University), Prescribing imaginary quadratic fields with 2-class group of type \((2, 2^\ell)\)

12:20 [LC 405] John Webb (Wake Forest University), Bounds for \(p\)-core partitions by calculating cusp constants

12:45 END OF CONFERENCE