

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

SCHEDULE OF ACTIVITIES

(All talks are in LeConte 412; refreshments are in the Wyman Williams Room, next to 412.)

SATURDAY, DECEMBER 5, 2009

8:45 COFFEE AND OTHER REFRESHMENTS

9:15 **Josh Cooper** (University of South Carolina), *Tree reconstruction and a Waring-type problem on partitions.*

9:40 **John Webb** (University of South Carolina), *Arithmetic of the 13-regular partition function modulo 3*

10:05 **Johnson Jia** (University of Michigan), *A p -integral Yoshida lift and non-vanishing mod p*

10:30 COFFEE BREAK

10:50 **Ethan Smith** (Michigan Technological University), *Average Frobenius distribution for elliptic curves defined over number fields*

11:15 **Dan Baczowski** (Washington and Lee), *Counting lattice points close to smooth curves.*

11:40 **Hui Xue** (Clemson University), *Fourier coefficients of Hilbert modular forms of half-integral weight*

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

1:30 **Ben Brubaker** (Massachusetts Institute of Technology), *The Combinatorics of Automorphic Forms*

2:30 COFFEE BREAK

2:50 **Nathan Walters** (University of Georgia), *Structure in sparse difference sets*

The organizers thank the National Science Foundation, the National Security Agency and the Mathematics Department at the University of South Carolina for their support.

3:15 **Renling Jin** (College of Charleston), *An answer to a question of Peter Hegarty and Mel Nathanson*

3:40 **Neil Lyall** (University of Georgia), *Simultaneous Optimal Return Times*

4:05 **Byungchul Cha** (Muhlenberg College), *Growth rate of the summatory function of Möbius function in function fields*

4:30 COFFEE BREAK

4:50 **John Friedlander** (University of Toronto), *Brinkmanship in the semi-Linear sieve*

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

SUNDAY, DECEMBER 6, 2009

8:30 COFFEE AND OTHER REFRESHMENTS

9:00 **Kannan Soundararajan** (Stanford University), *Mean-values of multiplicative functions and applications*

10:00 **Vorrapan Chandee** (Stanford University), *Bounding $|\zeta(1/2 + it)|$ on the Riemann Hypothesis*

10:45 COFFEE BREAK

11:05 **Frank Thorne** (Stanford University, USC), *Analytic properties of Shintani zeta functions*

11:30 **Mirela Ciperiani** (University of Texas at Austin), *Tate-Shafarevich groups over anticyclotomic \mathbb{Z}_p extensions*

12:30 END OF CONFERENCE