PAalmetto  Number  Theory  S
series

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 Baczkowski (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