MASON: Mid Atlantic Seminar On Numbers

October 29, 2016

Schedule

	Room 121	Room 122
10:00 AM	**Jon Grantham** IDA/CCS **Parallel Computation of Primes of the Form x^2+1**	
10:30 AM	**Tristan Phillips** Shippensburg University **New Primitive Covering Numbers and Their Properties**	**Saikat Biswas** Arizona State University **Capitulation, unit groups, and the cohomology of S-idèle classes**
11:00 AM	**James Hammer** Cedar Crest College **On the Congruence $x^x \equiv x \pmod{n}$**	**Spencer Hamblen** McDaniel College **Local Arboreal Representations**
11:20 AM	**Break**	
11:40 AM	**Charles Samuels** Christopher Newport University **A Connection Between Fibonacci Numbers and Metric Heights**	**Abbey Bourdon** University of Georgia **Torsion in Isogeny Classes of CM Elliptic Curves**
12:10 PM	**Greg Dresden** Washington and Lee University **When is a^n+1 the sum of two squares?**	**Heidi Goodson** Haverford College **Hypergeometric Functions and Arithmetic and Analytic Properties of Dwork Hypersurfaces**
12:30 PM	**Lunch**	
2:00 PM **Room 205**	**Robert Vaughan** Penn State University **The density of positive diagonal binary quadratic forms**	
2:50 PM	**Break**	
3:10 PM	**Tianyi Mao** CUNY Graduate Center **The Distribution of Integers in a Totally Real Cubic Field**	**Cassie Williams** James Madison University **Numerical secondary terms for a conjecture of Cohen and Lenstra**
3:40 PM	**Matthew Litman** Penn State University **On Consecutive Primitive nth Roots of Unity Modulo q**	**Eva Goedhart** Lebanon Valley College **On the Family of Diophantine Equations of the Form $X^{2N}+2^{2\alpha}5^{2\beta}p^{2\gamma}=Z^5$**
4:10 PM	**Patrick Lank** University of Massachusetts Lowell **Arithmetic Combinatorics & Diophantine Equations**	**Mike Knapp** Loyola University **Sextic forms over extensions of $\mathbb{Q}_2$**
4:40 PM	**John Miller** Johns Hopkins University **Lower Bounds for Counting Low-Lying Zeros**	**Jiayuan Wang** George Washington University **A Computational Method for Solving Exponential-Polynomial Diophantine Equations**