Tuesday, May 21, 2013

9:00 - 9:30 a.m.	David Covert , University of Missouri - St. Louis "Geometric configurations in \mathbb{Z}_q "
9:40 - 10:10 a.m.	Christopher R. H. Hanusa, Queens College (CUNY) "Applications of simultaneous core partitions"
10:20 - 10:50 a.m.	Gautami Bhowmik, Université de Lille, France "Lattice polyhedra in additive combinatorics"
11:00 - 11:30 a.m.	Kevin Henriot, Université de Montréal, Canada "On arithmetic progressions in $A+B+C$ "
11:40 - 12:30 p.m.	Giorgis Petridis, University of Rochester "Upper bound for higher sumsets with different summands"
12:30 - 2:00 p.m.	Lunch and math movie
2:00 - 2:30 p.m.	Derrick Hart , Kansas State University "Sumsets of multiplicative subgroups in \mathbb{Z}_p
2:40 - 3:10 p.m.	Arnab Bhattacharyya , DIMACS, Rutgers University "Every locally characterized affine-invariant property is testable"
3:20 - 3:50 p.m.	Delaram Kahrobaei , New York City Tech (CUNY) "Searching for a secure platform for cryptology"
4:00 - 4:15 p.m.	Richard Magner, Eastern Connecticut State University "Ordinary lines and modular hyperbolas"
4:20 - 4:35 p.m.	Amanda Bower, University of Michigan - Dearborn "Coordinate sum and difference sets of d-dimensional modular hyperbolas"
4:40 - 4:55 p.m.	Ginny Hogan, Stanford University "When generalized sumsets are difference dominated"
5:00 - 5:30 p.m.	Steven J. Miller, Williams College "Mind the gap: Distribution of gaps in generalized Zeckendorf decompositions"
5:30 -6:00 p.m.	Problem session 1, led by Steve Miller
6:00 - 7:00 p.m.	Wine and cheese reception in the Math Lounge, 4th floor

Wednesday, May 22, 2013

9:00 - 9:30 a.m.	Nathan Kaplan, Harvard University "Higher weight enumerators for codes and algebraic geometry"
9:40 - 10:10 a.m.	Paul Baginski, Smith College "Length multiset-complete Krull monoids"
10:20 - 10:40 a.m.	Dmitry Zhelezov , Chalmers Institute of Technology, Sweden "Product sets cannot contain long arithmetic progressions"
10:50 - 11:20 a.m.	Steven Senger , University of Delaware "A multi-scale approach to the Erdős-Falconer type single distance problems"
11:30 - 12:30 p.m.	Tom Sanders , Oxford University "The structure theory of set addition revisited, 1"
12:30 - 2:00 p.m.	Lunch and math movie
2:00 - 2:50 p.m.	Matthew Devos, Simon Fraser University, Canada "The structure of critical product sets"
3:00 - 3:20 p.m.	Tomas Boothby, Simon Fraser University "Almost critical products sets and small edge cuts in almost symmetric graphs"
3:30 - 4:00 p.m.	Alex Rice, Bucknell University "Squares and primes in generalized arithmetic progressions"
4:10 - 4:40 p.m.	Neil Lyall, University of Georgia "A purely combinatorial approach to simultaneous polynomial recurrence mod 1"
4:50 - 5:30 p.m.	Seva Lev , University of Haifa, Israel "How many solutions can $a \pm b = 2c$ have?"
5:30 -6:00 p.m.	Problem session 2, led by Seva Lev
6:00 - 7:00 p.m.	Wine and cheese reception in the Math Lounge, 4th floor

Thursday, May 23, 2013

9:00 - 9:30 a.m.	Jeff Breeding II, Fordham University "The Jacobsthal function and dimensions of spaces of Siegel modular forms"
9:35 - 10:05 a.m.	Omar Kihel, Brock University "Recognizing the primes using the permutations"
10:15 - 10:45 a.m.	Thai Hoang Le, University of Texas "Sums of reciprocals of fractional parts"
10:50 - 11:20 a.m.	Jonathan Sondow, New York "Ramanujan, Robin, the Riemann Hypothesis, and recent results"
11:30 - 12:30 p.m.	Tom Sanders , Oxford University "The structure theory of set addition revisited, 2"
12:30 - 2:00 p.m.	Lunch and math movie
2:00 - 2:50 p.m.	Javier Cilleruelo, University of Madrid, Spain "Infinite Sidon sequences"
3:00 - 3:30 p.m.	Jerry Hu , University of Houston - Victoria "The probability that algebraic integers are k -wise relatively prime"
3:35 - 3:55 p.m.	Satyanand Singh, New York City Tech (CUNY) "Exponential diophantine equations of Conway and Nathanson"
4:00 - 4:25 p.m.	Rishi Nath, York College (CUNY) "Ten facts about self-conjugate partitions"
4:30 - 4:55 p.m.	Mohamed El Bachraoui, United Arab Emirates University, UAE "A gamma function in two variables"
5:00 - 5:30 p.m.	Kevin O'Bryant, College of Staten Island (CUNY) "A combinatorial problem arising from Padé approximation"
5:30 -6:00 p.m.	Problem session 3, led by Kevin O'Bryant

Friday, May 24, 2013

9:00 - 9:25 a.m.	Sandra Kingan, Brooklyn College (CUNY) "Strong splitter theorem"
9:30 - 10:10 a.m.	Leopold Flatto, Bell Labs "The dixie cup problem and the FKG inequality"
10:20 - 10:50 a.m.	George Grossman, Central Michigan University "Combinatorial identities with Fibonacci and Lucas numbers"
10:55 - 11:25 a.m.	Brooke Orosz, Essex County College "A construction of generalized 'More Sum than Difference Sets' "
11:30 - 12:30 p.m.	$ \begin{array}{c} \textbf{Tom Sanders} \ , \ \text{Oxford University} \\ \text{``The structure theory of set addition revisited}, \ 3\text{''} \end{array} $
12:30 - 2:00 p.m.	Lunch and math movie
2:00 - 2:50 p.m.	Mauro Di Nasso, University of Pisa, Italy "Applications in combinatorial number theory of iterated nonstandard extensions and idempotent ultrafilters"
3:00 - 3:30 p.m.	Thomas Bloom , University of Bristol, UK "Sum-product estimates in function fields"
3:40 - 4:10 p.m.	Mel Nathanson, Lehman College (CUNY) "Cantor packing polynomials in sectors"
4:20 - 5:20 p.m.	Renling Jin , College of Charleston "Detailed structure for Freiman's $3k-3$ theorem"
5:20 -6:00 p.m.	Problem session 4, led by Renling Jin
6:00 - 7:00 p.m.	Wine and cheese reception in the Math Lounge, 4th floor