

SCHEDULE

INTEGERS CONFERENCE 2005

Thursday, October 27

9:30 am – 5:00 pm *Registration in Education Center Lobby*

Note: All talks will take place in the Education Center

	Room 2	Room 3
10:00 – 10:15	Welcoming Remarks	
10:30 - 10:50	Kennan Shelton <i>The Game of Take Turn</i>	Christian Ballot <i>An Elementary Method to Compute Prime Densities in $F_q[X]$</i>
11:00 – 11:20	Shalom Eliahou <i>Steinhaus Matrices</i>	Matthias Beck <i>The Enumeration of Nowhere-Zero Integral Flows on Graphs</i>
11:20 – 1:00	Lunch in Z-6 Building	
1:00 – 1:20	Mark Kozek <i>On Two Conjectures of Chen</i>	Donald Mills <i>Polynomial Sequences Generated by Fibonacci and Lucas Numbers</i>
1:30 – 1:50	Stephen Milne <i>C_t Mock Theta Functions</i>	David Leach <i>Lattice-Ordered Graphs</i>
2:00 – 2:20	Melkamu Zeleke <i>K-Trees, Catalan Identities, and Their Applications</i>	Elnatan Reisner <i>The Game of End-Wythoff</i>
2:30 – 2:50	John Jaroma <i>A Generalization of the Lucas-Lehmer Test</i>	Angela Siegel <i>All-But Geography</i>

2:50 – 3:10	Break	
3:10 – 3:30	James Sellers <i>An Infinite Family of Overpartition Congruences Modulo 12</i>	Veselin Jungic <i>On the Existence of Rainbow 4-term Arithmetic Progressions</i>
3:40 – 4:00	Pantelimon Stanica <i>Avalanche Features and Walsh Spectrum of Boolean Cayley Graph</i>	Georges Grekos <i>Extremal problems with Additive Bases</i>
4:10 – 4:30	Vladimir Bozovic <i>The Distribution of the Size of the Intersection of a k-Tuple of Intervals</i>	Xinyu Sun <i>WZ-algorithm and Jones Polynomial</i>

Friday, October 28

	Room 1	Room 5
9:00 – 9:20	David Wolfe <i>Games Played in Tall Warehouses</i>	Wolfgang A. Schmid <i>Half-factorial Sets in Cyclic Groups</i>
9:30 – 9:50	Arie Bialostocki <i>Some Problems in View of Recent Developments of the Erdos Ginzburg Ziv Theorem</i>	John Brillhart <i>Algorithms for Finding and Proving Balanced Q^2 Identities</i>
10:00-10:20	Jaroslav Nesetril <i>On an Erdos Turan Problem</i>	Alex Iosevich <i>Erdos Distance Problem in Vector Spaces over Finite Fields</i>
10:30–11:20	Plenary Speaker - Doron Zeilberger <i>Why is Ramsey Theory Sooooo Eeeenormously Hard?</i>	
11:30 – 11:50	Doug Iannucci <i>Aliquot squares</i>	Eric Duchene <i>Solitaire Clobber Played on Graphs</i>
12:00 – 1:30	Lunch in Z-6 Building	
1:30 – 1:50	Sidney Graham <i>Small Gaps Between Products of Two Primes</i>	Gautami Bhowmik <i>An Upper Bound for the Davenport Constant</i>

2:00 – 2:50	Plenary Speaker – Dan Goldston <i>Small Gaps Between Primes</i>	
3:00 – 3:20	Renling Jin <i>Nudging Forward on Freiman’s $3k - 3 + b$ Conjecture</i>	Richard Nowakowski <i>Regularities in Taking and Breaking Games</i>
3:20 – 3:40	Break	
3:40 – 4:00	Fan Chung <i>de Bruijn Sequences and Covering Codes</i>	
4:10 – 4:30	Zhi-Wei Sun <i>Some Congruences Motivated by Algebraic Topology</i>	Gang Yu <i>A New Upper Bound for $B_{2[g]}$ Sets</i>
4:40 – 5:00	Omar Kihel <i>On Some Variants of Lucas’ Square Pyramid problem</i>	Heinrich Niederhausen <i>The Number of Contacts with the Diagonal Made by Random Walks in the First Octant</i>
5:10 – 5:30	Stephan Baier <i>The Large Sieve with Sparse Sets of Moduli</i>	Peter Floodstrand Blanchard <i>Some ‘Some-Sum’ Consequences and Variations of the Folkman Theorem</i>

Saturday, October 29

	Room 1	Room 5
9:00 – 9:20	Kevin O’Bryant <i>Reciprocals of Binary Power Series</i>	Tom Brown <i>Progressions of Squares</i>
9:30 – 9:50	Bruce Landman <i>Recent Results in Ramsey Theory on the Integers</i>	Silvia Heubach <i>Enumeration of 3-Letter Patterns in Compositions</i>
10:00 – 10:20	Ognian Trifonov <i>On a Problem of Ore.</i>	Glenn Hurlbert <i>An Application of Graph Pebbling to Zero-Sum Sequences in Abelian Groups</i>
10:30 – 10:50	Ron Graham <i>Some of My Favorite Problems in Ramsey Theory</i>	
11:00-11:50	Plenary Speaker – Neil Hindman <i>Partition Regularity of Matrices</i>	
12:00 – 1:30	Lunch on Your Own	

1:30 – 1:50	Aaron Meyerowitz <i>The 392 Problem</i>	Aaron Robertson <i>On Monochromatic Ascending Waves</i>
2:00 – 2:50	Plenary Speaker - Jozsef Solymosi <i>Squares on the Integer Lattice</i>	
3:00 – 3:20	Carl Pomerance <i>Covering Congruences</i>	
3:20 – 3:40	Break	
3:40 – 4:00	David S. Gunderson <i>Congruence Properties of Multiplicative Functions on Sumsets</i>	Carla D. Savage <i>Five Guidelines for Partition Analysis</i>
4:10 – 4:30	Vsevolod F. Lev <i>Powers of 2 by Five Distinct Summands</i>	Michael Z. Spivey <i>The k-Binomial Transform and the Hankel Transform</i>
4:40 – 5:00	Jacob Fox <i>Recent Developments on Partition Regularity of Linear Equations</i>	Florian Luca <i>On the Number of Ordered Factorizations of a Positive Integer</i>
5:10 – 5:30	Takao Komatsu <i>Hurwitz and Tasojev Continued Fractions with Very Long Period</i>	Sarah Mason <i>Non-symmetric Schur Functions and Standard Bases</i>
7:00 pm	Banquet—Oak Mountain Country Club	

Sunday, October 30

	Room 4	Room 5
9:00 – 9:20	E. Rodney Canfield <i>The Number of Biregular Bipartite Graphs</i>	Rados Radoicic <i>Ramsey-type Results on the Edge Colorings of the Hypercube</i>
9:30 – 9:50	Aviezri S. Fraenkel <i>The Raleigh Game</i>	
10:00 – 10:20	Melvin Nathanson <i>Addition Rules for Quantum Integers</i>	
10:30 – 10:50	Steven Butler <i>Constructing Balanced Strategies for the Hats game</i>	Linyuan Lu <i>Hexagon-free Subgraphs in Hypercube Q_n</i>
10:50 – 11:40	Brief Lunch in UCC Food Court	

11:40 – 12:00	Paul T. Ottaway <i>A Partial Order Token Sliding Game</i>	Gretchen L. Matthews <i>A Variant of the Frobenius Problem and Generalized Suzuki Semigroups</i>
12:10 - 12:30	Ram Krishna Pandey <i>On Sequences and Sets of Integers with Missing Differences</i>	Dennis Eichhorn <i>The Odd Values of $p(n)$</i>
12:40 – 1:00	Thomas Stoll <i>On Families of Nonlinear Recurrences Related to Digits</i>	Aaron Siegel <i>Miserable Monoids: How to Lose When You Must</i>
1:10 - 1:30	Brian Hopkins <i>Counting Bulgarian Gardens of Eden</i>	Nayandeep Deka Barauh <i>Nonic Analogues of the Rogers-Ramanujan Functions with Applications to Partitions</i>
1:30 – 4:30	Problem Sessions/Discussion Groups	