

# SCHEDULE

## INTEGERS CONFERENCE 2007

### Wednesday, October 24

9:00 am – 5:00 pm *Registration in the Campus Center ground floor lobby area.*

**Note: All talks on Wednesday, Thursday, and Friday morning will be in the Campus Center building. All Friday afternoon and Saturday talks will be in the Technology Learning Center (TLC) building.**

	<b>Ballroom 3/Campus Center</b>	<b>Ballroom 4/Campus Center</b>
9:45 – 10:00	<b>Welcoming Remarks</b> Tim Hynes, VP, UWG Don Rice, Dean, COAS Bruce Landman	
10:00 – 10:20	Rod Canfield <i>Locally Restricted Compositions</i>	
10:30 – 10:50	Pante Stanica <i>Nagy Graphs and Homogeneous Bent Boolean Functions</i>	
<b>11:00 – 11:50</b>	<b>Plenary Speaker – Ken Ono</b> <i>Freeman Dyson's Challenge for the Future: The Story of Ramanujan's Mock Theta Functions</i>	
12:00 – 1:20	<b>Lunch at Z-6</b>	
1:30 – 1:50	Takao Komatsu <i>A Combinatorial Proof of the Continued Fraction Expansion of <math>e</math></i>	Veselin Jungic <i>On Arithmetic Progressions with Odd Differences</i>
2:00 – 2:20	Kevin O'Bryant <i>Sizes of Skewed Sumsets</i>	Neil McKay <i>All-small Games and Optimal Notation</i>

**Ballroom 3/Campus Center****Ballroom 4/Campus Center**

2:30 – 2:50	Frank Ruskey <i>Solutions of Certain Meta-Fibonacci-Like Recurrence Relations</i>	Udi Hadad <i>Complexity of a Sequences Membership Question</i>
3:00 – 3:20	Gretchen Matthews <i>Frobenius Numbers of Generalized Fibonacci Semigroups</i>	Mohamed El Bachraoui <i>Mobius Inversion Formulas for Functions of Several Variables</i>
3:20 – 3:40	<b>Break</b>	
3:40 – 4:00	Frank Thorne <i>Maier Matrices Beyond <math>Z</math></i>	Wolfgang Schmid <i>Sets of Lengths in Monoids of Zero-sum Sequences over Finite Abelian Groups</i>
4:10 – 4:30	Laszlo Szalay <i>Fibonacci Diophantine Triplets</i>	Fraser Stewart <i>Misère Hackenbush is NP-hard</i>
4:40 – 5:00	Holly Swisher <i>An Investigation of <math>k</math> - component Multipartitions</i>	Carlos Pereira dos Santos <i>Nimber Constructions</i>
5:10 – 5:30	Roberto B. Corcino <i>Some Theorems of the <math>q</math>-Analogue of the Generalized Stirling Numbers And the Combinatorics of 0-1 Tableaux</i>	Xian-Jin Li <i>On the Convergence of Euler's Product for Hecke Zeta Functions</i>

**Thursday, October 25****Ballroom 3/Campus Center****Ballroom 4/Campus Center**

9:00 – 9:20	Brian Hopkins <i>Between Conjugation and Bulgarian Solitaire</i>	
9:30 – 9:50	Melvyn Nathanson <i>Representation Functions of Bases with Respect to Linear Forms</i>	
<b>10:00-10:50</b>	<b>Plenary Speaker</b> – Florian Luca <i>On the Distribution of Totients</i>	
11:00 – 11:20	Neil Hindman <i>Largeness of the Set of Finite Products In a Semigroup</i>	
11:30 – 11:50	Carl Pomerance <i>Pseudopowers</i>	

	<b>Ballroom 3/Campus Center</b>	<b>Ballroom 4/Campus Center</b>
12:00 – 1:20	<b>Lunch on your own</b>	
1:30 – 1:50	James Sellers <i>Observations on the Parity of the Total Number of Parts in Odd-Part Partitions</i>	
<b>2:00 – 2:50</b>	<b>Plenary Speaker</b> – Vitaly Bergelson <i>New Extensions of the Polynomial Szemerédi Theorem</i>	
3:00 – 3:20	Richard Nowakowski <i>Rolled Games</i>	
3:20 – 3:40	<b>Break</b>	
3:40 – 4:00	Paul Pollack <i>Arithmetic Properties of Polynomial Specializations over Finite Fields</i>	
4:10 – 4:30	Jeong-Hyun Kang <i>Distance Graph – <math>p</math>-adic Approach</i>	
4:40 – 5:00	Neill Lyall <i>Polynomial Configurations in Sumsets</i>	
5:10 – 5:30	Matthew Smith <i>On Solution-Free Sets for Simultaneous Additive Equations</i>	

## Friday, October 26

	<b>Ballroom 3/Campus Center</b>	<b>Ballroom 4/Campus Center</b>
9:00 – 9:20	Carla Savage <i>Integer Analogs of Lecture Hall Theorems</i>	
9:30 – 9:50	Eugen Ionascu <i>Counting Equilateral Triangles in <math>\{0,1,\dots,n\}^3</math></i>	
<b>10:00-10:50</b>	<b>Plenary Speaker</b> – Bryna Kra <i>Ergodic Theory, Additive Combinatorics and Nilmanifolds</i>	
11:00 – 11:20	Bill Banks <i>Nicolas Numbers and the Robin Criterion</i>	
11:30 – 11:50	Dan Goldston <i>Larger than Average Gaps Between Primes</i>	

12:00 – 12:50	<b>Lunch on Your Own</b>	
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**\*Change of Location\***

	<b>Room 1303/ Technology Learning Center</b>	<b>Room 1203/ Technology Learning Center</b>
1:30 – 1:50	Jonathan Bayless <i>On the Unit Group Function</i>	Andrew Sills <i>Identities of Ramanujan-Slater Type</i>
<b>2:00 – 2:50</b>	<b>Plenary Speaker</b> – George Andrews <i>Multipartition Identities and the Tri-Pentagonal Number Theorem</i>	
3:00 – 3:20	Aaron Robertson <i>Van der Waerden Numbers and Related Functions</i>	Matthew Boylan <i>Odd Coefficients of Weakly Holomorphic Modular Forms</i>
3:20 – 3:40	<b>Break</b>	
3:40 – 4:00	Georges Grekos <i>Representation Functions, Sidon Sets and Bases</i>	Urban Larsson <i>2-pile Nim with a Restricted Number of Move-size Imitations</i>
4:10 – 4:30	Louis Kolitsch <i>A Note on the Parity of the Ordinary Partition Function</i>	Shanzhen Gao <i>Heron Sequences</i>
4:40 – 5:00	Kellen Myers <i>Results on Standard and Off-Diagonal Rado Numbers</i>	Tim Flowers <i>Asymptotics of Euler Polynomials</i>
5:10 – 5:30	Tomohiro Yamada <i>On an Equation Involving the Function of <math>\sigma(N)</math></i>	Brendan Nagle <i>On an Extremal Hypergraph Problem Concerning Forbidden Families</i>
<b>7:00 – 11:00</b>	<b>Banquet at the Maple Street Mansion</b>	

## Saturday, October 27

### Room 1303/ Technology Learning Center

### Room 1203/ Technology Learning Center

9:00 – 9:20	Carrie Finch <i>Irreducibility of a Class of Polynomials</i>	David Leach <i>Zumkeller Numbers and Half-Zumkeller Numbers</i>
9:30 – 9:50	Ram Krishna Pandey <i>On the Density of Integral Sets with Missing Differences</i>	Dennis Eichhorn <i>The Distribution of the Points <math>(x, x^1)</math> Modulo <math>n</math></i>
<b>10:00 – 10:50</b>	<b>Plenary Speaker – Van Vu</b> <i>Structure Theorems Concerning Sumsets and Applications</i>	
11:00 – 11:20	Kevin Ventullo <i>An Upper Bound on the Degree of Accessibility of Translations of the Primes</i>	Peter Hegarty <i>When Almost All Sets are Difference Dominated</i>
<b>11:20 – 12:30</b>	<b>Lunch on your own</b>	
12:30 – 12:50	Jorge Nuno Silva <i>Nimber Constructions</i>	Jeffery Wheeler <i>The Erdős-Heilbronn Problem for Finite Groups</i>
1:00 – 1:20	Kevin Williamson <i>The Ramsey Properties of the Fibonacci Numbers</i>	David Garth <i>Self Generating Sets and Numeration Systems</i>
1:30 – 1:50	Fisseha Abebe <i>Distance Metric for Protein Partitions</i>	Joon Yop Lee <i>Involutions on Theta Function Identities</i>
2:00 – 2:20	Tsz Ho Chan <i>Almost Squares and Integers Almost Divisible by Another Integer</i>	Vermont Rutherford <i>Enumeration of Grid-Based Seating Arrangements</i>
2:30 – 5:00	Problem Sessions	