

The Combinatorics and Number Theory Seminar

FALL 2003

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Organizers: Laura Anderson, Marcin Mazur, and Thomas Zaslavsky.

▪ Wednesday, September 10 Colloquium

Speaker: Jeff Kahn (Rutgers)

Title: Long Range Effects in the Hard-Core and Related Models

Time: 3:30 - 4:30

Room: LN-2205

▪ Wednesday, September 17

Speaker: Thomas Zaslavsky (Binghamton)

Title: Biased Expansion Graphs and their Cryptomorphisms

Time: 3:30 - 4:30

Room: LN-2205

▪ Wednesday, September 24

Speaker: Lori Koban (Binghamton)

Title: How to Characterize Matroid Circuit Signatures by Modular Triples

Time: 3:30 - 4:30

Room: LN-2205

▪ Wednesday, October 1

Speaker: Lori Koban (Binghamton)

Title: Using Gains to Lift Ternary Matroids

Time: 3:30 - 4:30

Room: LN-2205

▪ Wednesday, October 8

No seminar, in preparation for Discrete Math Day on Friday.

▪ Friday, October 10

N.E. Discrete Mathematics Day

▪ Saturday-Sunday, October 11-12

AMS Eastern Sectional Meeting
with combinatorial special sessions.

▪ Monday, October 13 (Note special day.)

Speaker: Joanna A. Ellis-Monaghan (St. Michael's College)

Title: Problems from the Edge-Graph Theoretical Approaches to Computer Chip Design

Time: 3:30 - 4:30

Room: LN-2205

▪ Thursday, October 16 (joint with the Geometry and Topology Seminar)

Speaker: Woong Kook (University of Rhode Island)

Title: Homology of Cycle Matroids of Complete Graphs

Time: 2:50 - 3:50

Room: LN-2205

▪ Wednesday, October 22

Speaker: Thomas Zaslavsky (Binghamton)

Title: Biased Expansion Graphs, Multary Quasigroups, and the Associative Law (with Proofs), Part I (of III): Examples, Questions, Assertions

Time: 3:30 - 4:30

Room: LN-2205

▪ Wednesday, October 29

Speaker: Thomas Zaslavsky (Binghamton)

Title: Biased Expansion Graphs, Multary Quasigroups, and the Associative Law (with Proofs), Part II: Fundamental Theorems and Proofs

Time: 3:30 - 4:30

Room: LN-2205

▪ Thursday, October 30 Colloquium

Speaker: Tomaž Pisanski (University of Ljubljana and Colgate University)

Title: Growth in Free Products with Amalgamations of Rooted Graphs

Time: 4:30 - 5:30

Room: LN-2205

▪ Tuesday, November 4 (joint with the Algebra Seminar) (Note special day.)

Speaker: Thomas Zaslavsky (Binghamton)

Title: The Associative Law for Groups

Time: 2:50 - 3:50

Room: LN-2205

▪ Wednesday, November 5

Speaker: Thomas Zaslavsky (Binghamton)

Title: Biased Expansion Graphs, Multary Quasigroups, and the Associative Law (with Proofs), Part III: Consequences for Biased Expansions and Multary Quasigroups

Time: 4:40 - 5:40 (note special time)

Room: LN-2205

▪ Monday, November 10 (Note special day.)

Speaker: Matthias Beck (MSRI)

Title: Coefficients and Roots of Ehrhart Polynomials

Time: 3:30 - 4:30

Room: LN-2201 (note special room)

▪ **Monday, November 24 (Note special day.)**

Speaker: Pavle Blagojevic (University of Belgrade)

Title: How to Complicate a ``Simple'' Problem: Computational Topology of Equivariant Maps from Spheres to Complements of Arrangements

Time: 3:30 - 4:30

Room: LN-2205

▪ **Wednesday, December 3**

Speaker: Thomas Zaslavsky (Binghamton)

Title: Hyperplane Arrangements

Time: 3:30 - 4:30

Room: LN-2205

▪ **Thursday, December 4 Geometry/Topology Seminar**

Speaker: Kai-Uwe Bux (Cornell)

Title: Braiding the Chessboard Complex

Time: 2:50 - 3:50

Room: LN-2205

▪ **Thursday, December 11 Colloquium**

Speaker: Tomaž Pisanski (University of Ljubljana and Colgate University)

Title: Representations of Graphs and Related Combinatorial Structures

Time: 4:30 - 5:30

Room: LN-2205

Past Semesters: [Spring 2003](#) | [Fall 2002](#) | [Spring 2002](#) | [Fall 2001](#) | [Spring 2001](#) | [Fall 2000](#) | [Spring 2000](#) | [Fall 1999](#)
| [Spring 1999](#) | [Fall 1998](#)

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