

# The Combinatorics and Number Theory Seminar

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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

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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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