

# The Combinatorics and Number Theory Seminar

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## SPRING 2002

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Organizers: [Laura Anderson](#), [Matthias Beck](#), and [Thomas Zaslavsky](#).

- **Wednesday, February 6**

*Speaker:* Matthias Beck (Binghamton)

*Title:* [The Linear Diophantine Problem of Frobenius](#)

- **Wednesday, February 13**

*Speaker:* Laura Anderson (Binghamton)

*Title:* Coxeter Matroids

- **Wednesday, February 20**

*Speaker:* Steven Dougherty (University of Scranton)

*Title:* 36 Officers and Latin Squares

- **Wednesday, February 27**

*Speaker:* Thomas Zaslavsky (Binghamton)

*Title:* [Dowling Lattices, Quasigroups, and Latin Squares](#)

- **Wednesday, March 6**

*Speakers:* Rigoberto Florez and Lori Koban (Binghamton)

*Title:* Tutte-Grothendieck Invariance and the Chromatic and Characteristic Polynomials

- **Wednesday, March 13**

*Speaker:* Béla Bajnok (Gettysburg College and Cornell University)

*Title:* [Spherical Designs and the Independence Number of a Subset of an Abelian Group](#)

- **Thursday, March 14: Colloquium** (in Number Theory)

*Speaker:* Sinai Robins (Temple University)  
*Title:* Functional Equations for Zeta Functions of Cones  
*Time:* 4:30 - 5:30  
*Room:* LN-2205

- **Tuesday, March 19** (special day)

*Speaker:* Debra Waugh (Alfred University)  
*Title:* [Upper Bounds in Affine Weyl Groups Under the Weak Order](#)  
*Time:* 4:30 - 5:30

- **Wednesday, March 20**

*Speaker:* Federico Ardila (Massachusetts Institute of Technology)  
*Title:* Tutte Polynomials of Semimatroids and Hyperplane Arrangements  
*Time:* 3:30 - 4:30 - **SPECIAL TIME** -

- **Wednesday, March 27**

Holiday

- **Wednesday, April 3**

*Speaker:* Ed Swartz (Cornell University)  
*Title:* [The Broken Circuit Complex](#)  
*Time:* 3:30 - 4:30 - **SPECIAL TIME** -

- **Tuesday, April 9** (special day)

*Speaker:* Stephanie van Willigenburg (Cornell University)  
*Title:* [Peak Functions and Eulerian Enumeration](#)  
*Time:* 4:30 - 5:30

- **Friday, April 12: Colloquium** (special day)

*Speaker:* Richard Pollack (New York University/Courant Institute)  
*Title:* [On the Betti Numbers of Semi-Algebraic Sets](#)  
*Time:* 4:40 - 5:40  
*Room:* LN-2205

- **Wednesday, April 17**

*Speaker:* Margaret Readdy (University of Kentucky)  
*Title:* [An Application of Combinatorial Commutative Algebra to String Theory](#)

- **Tuesday, April 23** (special day)

*Speaker:* Steven Tedford  
*Title:* A Characterization of the Mixed Branching Greedoid  
*Time:* 12:40 - 1:40 - **SPECIAL TIME** -

Room: LN-2205

This is Mr. Tedford's dissertation defense. The public portion will last about 1 hour. All are invited.

- **Wednesday, April 24**

*Speaker:* Gary Gordon (Lafayette College)

*Title:* [How to Fix an Antimatroid](#)

- **Tuesday, April 30** (special day)

*Speaker:* Konstantin Rybnikov (Cornell University)

*Title:* [Geometry of Positive Quadratic Forms over Integers](#)

*Time:* 4:30 - 5:30

- **Wednesday, May 8**

*Speaker:* Laura Anderson (Binghamton)

*Title:* Hyperplane Transversals and a Combinatorial Borsuk-Ulam Theorem

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

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