

The Combinatorics and Number Theory Seminar

SPRING 2003

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Organizers: Laura Anderson, Matthias Beck, and Thomas Zaslavsky.

▪ **Monday, January 27**

Speaker: Thomas Zaslavsky (Binghamton)

Title: Semiunique Representation of Some Biased-Graphic Matroids

Time: 3:30 - 4:30

Room: LN-2201

▪ **Monday, February 3**

Speaker: Marcin Mazur (Binghamton)

Title: Davenport's Constant of a Finite Abelian Group

Time: 4:40 - 5:40

Room: LN-2205

▪ **Monday, February 10**

Speaker: Ed Swartz (Cornell)

Title: Representations of Matroids

Time: 1:10 - 2:10 **(Note the time!)**

Room: LN-2205

▪ **Monday, February 17**

NO MEETING

▪ **Monday, February 24**

Speaker: Matthias Beck (Binghamton)

Title: Brion's Theorem and its Applications

Time: 1:10 - 2:10

Room: LN-2205

▪ **Monday, March 3**

Speaker: Steven Dougherty (Univ. of Scranton)

Title: Building Complex and Quaternionic Lattices from Codes over Rings

Time: 4:40 - 5:40

Room: LN-2205

▪ **Monday, March 17**

Speaker: Matthias Beck (Binghamton)
Title: Brion's Theorem and its Applications, Part II
Time: 1:10 - 2:10
Room: LN-2205

▪ **Monday, March 24**

Speaker: Rigoberto Florez (Binghamton)
Title: The Relationship Between Full Algebraic Matroids and Lattice Properties, Part I: Pseudomodularity and Double Circuits
Time: 4:40 - 5:40 **(Note time change.)**
Room: LN-2205

This is the first part of Mr. Florez's doctoral candidacy exam. The examining committee consists of Matthias Beck, Fernando Guzmán, and Thomas Zaslavsky (chair). Everyone is invited to attend.

▪ **Tuesday, March 25 (joint with the Algebra Seminar)**

Speaker: Rigoberto Florez (Binghamton)
Title: The Relationship Between Full Algebraic Matroids and Lattice Properties, Part II: Pseudomodularity and Full Algebraic Matroids
Time: 2:50 - 3:50
Room: LN-2205

This is the second part of Mr. Florez's doctoral candidacy exam. The examining committee consists of Matthias Beck, Fernando Guzmán, and Thomas Zaslavsky (chair). Everyone is invited to attend.

▪ **Friday, March 28 (Note special day.)**

Speaker: Caroline Klivans (MIT)
Title: Shifted Complexes
Time: 1:10 - 2:10
Room: LN-2205

▪ **Monday, March 31**

Speaker: Isabel Cristina Ruiz (Binghamton)
Title: There is No Tame Triangulation of the Infinite Real Grassmannian
Time: 1:10 - 2:10
Room: LN-2205

▪ **Monday, April 7**

Speaker: Thomas Zaslavsky (Binghamton)
Title: Polygon Space
Time: 1:10 - 2:10
Room: LN-2205

▪ **Monday, April 14**

Speaker: Samuel Hsiao (Cornell)
Title: Eulerian Enumeration and Other Illustrations of the Peak Phenomenon
Time: 4:40 - 5:40
Room: LN-2205

▪ Wednesday, April 23 (Note special day.)

Speaker: Ira Gessel (Brandeis University)

Title: Rational Functions with Nonnegative Power Series Coefficients

Time: 4:40 - 5:40

Room: LN-2205

▪ Thursday, April 24: Colloquium

Speaker: Ira Gessel (Brandeis University)

Title: The WZ Method for Combinatorial Identities

Time: 4:30 - 5:30

Room: LN-2205

▪ Monday, April 28

Speaker: Lori Koban (Binghamton)

Title: Using Gains to Lift Matroids

Time: 1:10 - 2:10

Room: LN-2205

▪ Monday, May 5 (joint with the Geometry and Topology Seminar)

Speaker: Isabel Cristina Ruiz (Binghamton)

Title: Combinatorializing Vector Bundles

Time: 1:10 - 2:10

Room: LN-2205

This is the first part of Ms. Ruiz's doctoral candidacy exam. The examining committee consists of Laura Anderson (chair), Thomas Farrell, and Thomas Zaslavsky. Everyone is invited to attend.

▪ Tuesday, May 6 (joint with the Geometry and Topology Seminar) (Note special day.)

Speaker: Isabel Cristina Ruiz (Binghamton)

Title: Topologizing Combinatorial Bundles

Time: 1:15 - 2:30

Room: LN-2205

This is the second part of Ms. Ruiz's doctoral candidacy exam. The examining committee consists of Laura Anderson (chair), Thomas Farrell, and Thomas Zaslavsky. Everyone is invited to attend.

▪ Tuesday, May 6 (Note special day.)

Speaker: Debra Waugh (Alfred University)

Title: The Order Dimension of Bruhat Order

Time: 4:30 - 5:30

Room: LN-2206

▪ Thursday, May 8 (joint with the Geometry and Topology Seminar)

Speaker: Laura Anderson (Binghamton)

Title: Linked Spheres in Oriented Matroids

Time: 2:50 - 3:50

Room: LN-2205

▪ **Monday, May 12**

Speaker: Chris Bumgartner (Binghamton)

Title: The Extended Coin-exchange Problem of Frobenius for Arithmetic Sequences

Time: 4:40 - 5:40

Room: LN-2206 (**Note special room.**)

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

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