# The Combinatorics and Number Theory Seminar

Current Semester and Home Page

# **FALL 2001**

Best Viewed With Any Browser

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

# Wednesday, September 5

Speaker: Thomas Zaslavsky (Binghamton)
Title: Weird Stuff About Sperner's Theorem

• Thursday, September 6 (jointly with the <a href="Geometry/Topology Seminar">Geometry/Topology Seminar</a>)

Speaker: Laura Anderson (Binghamton)
Title: Topology of oriented matroids

Time: 2:50 - 3:50 Room: LN-2205

# Wednesday, September 12

Speaker: Matthias Beck (Binghamton)

Title: A short, generalizable, and q-analogizable proof of Meshalkin's generalization of Sperner's theorem on

componentwise antichains

#### Wednesday, September 19

No meeting (school holiday)

• Tuesday, September 25 (jointly with the Geometry/Topology Seminar)

Speaker: Laura Anderson (Binghamton)

Title: Prospects in combinatorial differential manifolds and matroid bundles

Time: 4:30 - 5:30 Room: LN-2205

# Wednesday, September 26

No meeting (school holiday)

# Wednesday, October 3

Speaker: Alina Vdovina (Binghamton)

Title: Eulerian Paths in Cubic Graphs, and Their Applications

# Wednesday, October 10

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Speaker: Steven Dougherty (University of Scranton)

Title: A Coding-Theoretic Proof of a Part of the Bruck-Ryser Theorem

# • Thursday, October 11 (jointly with the Geometry/Topology Seminar)

Speaker: Alina Vdovina (Binghamton)

Title: Combinatorial Structure of Some Hyperbolic Buildings

Time: 2:50 - 3:50 Room: LN-2205

#### Wednesday, October 17

Speaker: Steve Tedford (Binghamton)

Title: Branching Greedoids of Mixed Graphs

#### Thursday, October 18: Colloquium

Speaker: Marvin Knopp (Temple)

Title: On the Signs of the Coefficients of Modular Forms

Time: 4:30 - 5:30 Room: LN-2205

#### Wednesday, October 24

No seminar today. See colloquium talk tomorrow.

# ■ Thursday, October 25: Colloquium

Speaker: Carl Pomerance (Univ. of Georgia and Bell Labs)

Title: Carmichael's Function

Time: 4:30 - 5:30 Room: LN-2205

#### ■ Tuesday, October 30 (Note special day and time!)

Speaker: Frank Sottile (U. Mass. at Amherst)

Title: The Malvenuto-Reutenauer Hopf Algebra of Permutations

Time: 4:30-5:30 Room: LN-2205

# Wednesday, November 7

No seminar today. See colloquium talk tomorrow.

# ■ Thursday, November 8: Colloquium

Speaker: Matthias Beck (Binghamton)

Title: On the Number of ``Magic Squares''

Time: 4:30 - 5:30 Room: LN-2205

#### Wednesday, November 14

Speaker: Sue Whitesides (McGill and Cornell Universities)

Title: Embedding Problems for Paths and Cycles with Direction-Constrained Edges

# ■ Thursday, November 15: Colloquium

Speaker: Thomas Zaslavsky (Binghamton)
Title: //Secrets// of Biased Graphs //Revealed!//

Time: 4:30 - 5:30 Room: LN-2205

#### Wednesday, November 28

Speaker: Elizabeth McMahon (Lafayette College)
Title: Polynomials on Greedoids and Antimatroids

#### Wednesday, December 5

Speaker: Timothy Y. Chow (Tellabs Research Center)

Title: The Ring Grooming Problem: Combinatorial Optimization in Modern Telecommunications Networks

# Thursday, December 13: Colloquium

Speaker: Stan Wagon (Macalester College)

Title: A Computational View of the Four-Color Theorem: A Resuscitation of a Famous False Proof

Time: 4:30 - 5:30 Room: LN-2205

# • Friday, December 14 (SPECIAL LECTURE! Note special day and time.)

Speaker: Joseph P.S. Kung (Univ. of North Texas)
Title: Goncharov Polynomials and Parking Functions

Time: 4:30 - 5:30 Room: LN-2205

# Wednesday, December 19

Speaker: Daniel Slilaty (Wright State Univ.)

Title: An Algebraic Characterization of Projective Planarity of Graphs

Departmental home page.

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