

Mid-Atlantic Algebra Conference

November 13 – 14, 2004

George Mason University, Fairfax, Virginia

Schedule of Talks and Events

All talks are in Enterprise Hall, room 275

SATURDAY, November 13

- 8:30 – 8:55 Registration, coffee and pastries. Outside room 275
- 8:55 – 9:00 Welcoming words from the Chair Klaus G. Fischer.
- 9:00 – 11:00 Session I
- 9:00 – 9:20 Jungyoon Byon – University of Pennsylvania
Renormalization, Bonsai and Homological Algebra
- 9:30 – 9:50 Imre Tuba – Virginia Tech
Braid Group Actions on Semisimple Tensor Categories
- 10:00 – 10:20 Stefan Kolb – Virginia Tech
Differential Calculus on Quantum Homogeneous Spaces
- 10:30 – 10:50 Bojko Bakalov – North Carolina State University
Representations of the Lie Pseudoalgebra $W(\mathfrak{d})$
- 11:00 – 12:00 Invited talk I
- Bernd Sturmfels – University of California at Berkeley
Algebraic Statistics I
- 12:00 – 1:30 Lunch
- 1:30 – 3:30 Session II
- 1:30 – 1:50 Bill Cook – North Carolina State University
Affine Lie Algebras and Multisum Identities
- 2:00 – 2:20 Tom Lada – North Carolina State University
Symmetric Brace Algebras
- 2:30 – 2:50 Hayk Melikyan – North Carolina Central University
The Maximal Subalgebras of the General Lie Algebra
- 3:00 – 3:30 Michael Williams – North Carolina State University
Nilpotent n -Lie Algebras
- 3:30 – 4:00 Coffee Break
- 4:00 – 5:20 Session III

4:00 – 4:20 Brandilyn Stigler – VBI, Virginia Tech
An Algebraic Approach to Modeling Dynamic Biological Systems

4:30 – 4:50 Ed Allen – Wake Forest University
*Computational Algebraic and Game Theoretic Techniques
in Modeling Protein Signaling Networks*

5:00 – 5:20 John L. Pfaltz – University of Virginia
A Category of Discrete Posets

6:30 – ish Dinner @ Connaught Place, an Indian Eatery in down-town Fairfax (optional)

SUNDAY, November 14

8:30 – 9:00 Registration, coffee and pastries. Outside room 275

9:00 – 11:00 Session IV

9:00 – 9:20 Victoria Powers – Emory University
A New Approach to Hilbert’s Theorem on Ternary Quartics

9:30 – 9:50 David F. Anderson – University of Tennessee
Half-Factorial Domains

10:00 – 10:20 Alberto Damiano – George Mason University
Computation of Noetherian Operators

10:30 – 10:50 Makoto Namiki – George Mason University
Alternative Theorems and the Duality Theorem of Linear Programming

11:00 – 12:00 Invited talk II

Bernd Sturmfels – University of California at Berkeley
Algebraic Statistics II

12:00 – 1:30 Lunch

1:30 – 2:30 Session V

1:30 – 1:50 Williams Traves – United States Naval Academy
Counting Conics on the Cubic Surface

2:00 – 2:30 Edith Adan-Bante – University of Southern Mississippi Gulf Coast
Characters and solvable groups

2:30 End of Conference.

Thanks for your participation!
Geir Agnarsson and Jay Shapiro