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(ω)

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)

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**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.

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Thanks for your participation!
Geir Agnarsson and Jay Shapiro