

**Atlantic Association for Research in Mathematical Sciences
Memorial University of Newfoundland
Atlantic Algebra Centre**

VI Annual Meeting

COMBINATORIAL ALGEBRA MEETS ALGEBRAIC COMBINATORICS

January 16 - January 18, 2009

VI Annual Meeting “Combinatorial Algebra Meets Algebraic Combinatorics” took place at Memorial University of Newfoundland on January 16 - January 18, 2009. The Organizing Committee consisted of Yuri Bahturin (Memorial University), Nantel Bergeron (York University), Sara Faridi (Dalhousie University), Antony Geramita (Queens University) and Mikhail Kotchetov (Memorial University). The meeting was conducted in St. Johns by Atlantic Algebra Centre.

The total number of participants was 22, from Canada, USA and Slovenia. There were six invited 1-hour lectures and three contributed 1-hour talks on several topics of Algebra and Combinatorics. The sequence of the lectures and talks delivered was as follows.

- **Hugh Thomas** (*University of New Brunswick, Fredericton*) “CLUSTER CATEGORIES, HIGHER CLUSTER CATEGORIES, AND NEGATIVE CLUSTER CATEGORIES, FROM A COMBINATORIAL PERSPECTIVE”
- **Jaydeep Chipalkatti** (*University of Manitoba*) “ON THE SATURATION SEQUENCE OF THE RATIONAL NORMAL CURVE”
- **Francois Bergeron** (*Universite du Québec à Montréal*) “MULTIVARIATE DIAGONAL HARMONIC POLYNOMIALS”
- **Marcelo Aguiar** (*Texas A&M University, USA*) “THE HOPF MONOID OF GENERALIZED PERMUTAHEDRA”
- **Mitja Mastnak** (*Saint Mary’s University*) “COMBINATORIAL HOPF ALGEBRAS IN FREE PROBABILITY”
- **Olga Kharlampovich** (*McGill University*) “EQUATIONS AND ALGORITHMIC PROBLEMS IN FREE AND RESIDUALLY FREE GROUPS”
- **Jerzy Weyman** (*Northeastern University, USA*) “TOWARDS EQUIVARIANT BOIJ-SODERBERG CONJECTURES”
- **Matej Brešar** (*University of Ljubljana and University of Maribor, Slovenia*) “ON VALUES OF NONCOMMUTATIVE POLYNOMIALS AND LIE IDEALS”
- **Christopher Brav** (*University of Toronto*) “THE PROJECTIVE MCKAY CORRESPONDENCE”

Breakdown of expenses and revenues

1. *Expenses:*

- (a) Travel support for invited lecturers/speakers \$804.56
- (b) Travel support for students \$1,200
- (c) Accommodation support for participants \$4,906.58
- (d) Other (stationary, refreshments, hosting, transportation) \$ 961.96
- (e) Total of expenses \$7,873.10

2. *Revenues:*

- (a) AARMS support for this event \$5,248.73
- (b) AAC support for this event \$2,624.37
- (c) Total of revenues \$7,873.10

3. *Revenues minus Expenses - NIL.*

Acknowledgment

The bulk of the preliminary work was done by Sara Faridi. The organizational work in St. Johns was done by Yuri Bahturin, Mikhail Kochetov, Mike Parmenter, and Yiqiang Zhou, with the help of Ph D student Jason McGraw. Our thanks go to the administration and the staff of Memorial University of Newfoundland and its Department of Mathematics and Statistics. More information about the workshop can be found on the web sites:

www.math.mun.ca/~aac

and

<http://www.mathstat.dal.ca/~faridi>