

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

International Workshop

“Polynomial Identities in Algebras. II”

September 2 - 6, 2011

The main event in the schedule of Atlantic Algebra Centre (AAC) in 2011 has been International Workshop “Polynomial Identities in Algebras. II”. It was held at Department of Mathematics and Statistics of Memorial University of Newfoundland in St. John’s, NL, Canada on September 2 - 6, 2011. We had 23 international participants (Bulgaria, Brazil, Israel, Italy, Russia, Spain, USA) and 9 Canadians (5 from Atlantic Canada).

The Organizing Committee was as follows:

- Yuri Bahturin, Memorial University of Newfoundland
- Murray Bremner, University of Saskatchewan
- Vesselin Drensky, Bulgarian Academy of Sciences, Bulgaria
- Antonio Giambruno, University of Palermo, Italy
- Mikhail Kotchetov, Memorial University of Newfoundland
- Michel Racine, University of Ottawa
- Mikhail Zaicev, Moscow State University, Russia

A significant local help was provided by an AAC Postdoctoral fellow Alexei Gordienko, MUN student Jonny Lomond and the administrative staff of the Department of Mathematics and Statistics of Memorial University.

The list of plenary lectures was as follows:

1. **Eli Aljadeff**
Technion, Haifa, Israel
GRADED POLYNOMIAL IDENTITIES AND GENERIC OBJECTS (*2 lectures*)
2. **Vesselin Drensky**
Bulgarian Academy of Sciences, Bulgaria
COMPUTING OF COCHARACTER SEQUENCES OF PI-ALGEBRAS (*2 lectures*)

3. **Antonio Giambruno**

University of Palermo, Italy

- (i) ON THE EXPONENT OF A POLYNOMIAL
- (ii) GRADED ALGEBRAS AND CODIMENSION GROWTH

4. **Plamen Koshlukov**

UNICAMP, Brazil

- IDENTITIES OF ALGEBRAS THAT RESEMBLE MATRIX ALGEBRAS
(2 lectures)

5. **Viktor Petrogradsky**

Ulyanovsk State University, Russia

- ASYMPTOTIC CHARACTERISTICS OF INFINITE DIMENSIONAL
LIE AND ASSOCIATIVE ALGEBRAS (2 lectures)

6. **Mikhail Zaicev**

Moscow State University, Russia

- POLYNOMIAL IDENTITIES AND EXPONENTIAL CODIMENSION GROWTH
(2 lectures)

The total number of lectures and research talks was 32.

Breakdown of expenses and revenues

1. Expenses

- (a) Airfare for plenary speakers \$ 4,296.92
- (b) B & B accommodation for the invited speakers and students \$ 6,391.37
- (c) Meals for the invited speakers and students \$ 2,919.00
- (d) Refreshments \$ 866.99
- (e) Stationery and printing materials \$ 336.00
- (f) Payment for the secretarial assistance to one PDF \$ 400.00
- (g) Transportation within St. John's \$ 122.00
- (h) **Total of expenses \$ 15,332.28**

2. Revenues

- (a) Registration fees \$ 2,050.00

(b) AARMS support \$ 5,000

(c) AAC budget \$ 8,282.28

(d) **Total of revenues \$ 15,332.28**

3. Revenues minus Expenses - Nil

More information about the workshop can be found on our web site:
<http://www.mun.ca/aac>