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

International Workshop
"Groups, Rings, Lie and Hopf Algebras. III"

August 13 - 17, 2012

The International Workshop "Groups, Rings, Lie and Hopf Algebras. III" became the main event in the schedule of Atlantic Algebra Centre (AAC) in 2012. It was held at Bonne Bay Marine Station of Memorial University of Newfoundland in Norris Point, NL, Canada on August 13 - 17, 2012. We had 15 international participants (Argentina, Belgium, Brazil, Israel, Italy, Poland, Spain, USA) and 11 Canadians (9 from Atlantic Canada).

A special feature of the workshop was that it was attended by eight students of the AARMS Summer School 2012, which worked for four weeks prior to the Workshop at the Department of Mathematics and Statistics of Memorial University in St. John's. Five of them had their own research results and presented them to the participants of the Workshop as 20 minute research talks.

The Workshop was organized by the members of Atlantic Algebra Centre: Yuri Bahturin, Mikhail Kotchetov, Eduardo Martinez-Pedrosa, Hamid Usefi, with the help of AAC Postdoctoral Fellow Alexei Gordienko and MUN student Jonny Lomond. We enjoyed a steady support from the administrative staff of the Department of Mathematics and Statistics and Bonne Bay Marine Station of Memorial University of Newfoundland. The financial support for the workshop was provided by Office of Research and School of Graduate Studies of MUN and by Atlantic Association for Research in the Mathematical Sciences.

The list of plenary lectures was as follows:

1. **Amitai Regev**
   Weizmann Institute of Science, Israel
   ESTIMATES ON KRONECKER PRODUCTS OF S_n CHARACTERS

2. **Georgia Benkart**
   University of Wisconsin - Madison, USA
   (i) THE MCKAY CORRESPONDENCE REVISITED
   (ii) A TALK ON THE WEYL SIDE

3. **Eric Jespers**
   Vrije Universiteit Brussel, Belgium
   GROUPS, GROUP RINGS AND THE YANG-BAXTER EQUATION

4. **Alberto Elduque**
   University of Zaragoza, Spain
   GRADINGS ON THE OCTONIONS, THE ALBERT ALGEBRA, AND EXCEPTIONAL SIMPLE LIE ALGEBRAS
   (*2 lectures*)

5. **Dmitri Nikshych**
   University of New Hampshire, USA
   THE WITT GROUP OF BRAIDED FUSION CATEGORIES
   LIE AND ASSOCIATIVE ALGEBRAS
   (*2 lectures*)

6. **Said Sidki**
   University of Brasilia, Brazil
   GROUPS ACTING ON TREES, AUTOMATA AND ASSOCIATED RECURSIVE ALGEBRAS

7. **Leandro Vendramin**
   University of Buenos Aires, Argentina
   ABOUT THE CLASSIFICATION OF POINTED HOPF ALGEBRAS OVER NON-ABELIAN GROUPS

Five 50-minute talks were given by David Riley (University of Western Ontario), Mitja Mastnak (Saint Mary's University), Eduardo Martinez-Pedroza, Hamid Usefi and Alexei Gordienko (all three from Memorial University of Newfoundland). The total number of lectures and research talks was 22.

On Wednesday, August 15 the participants of the workshop took part in the boat tour on Western Brook Pond, one of the main attractions of Gros Morne National Park.

More information about the workshop as well as slides of some lectures and talks can be found on AAC's web site: http://www.mun.ca/aac

Breakdown of expenses and revenues

1. **Expenses**

 (a) Travel expenses of speakers $ 9,416

 (b) Accommodation for the speakers and students in Norris Point, NL $ 5,123

 (d) Coffee and lunch breaks $ 3,433

 (e) Stationery and printing $ 93

 (f) Payment for the use of Bonne Bay Marine Station (facility rental and service) $ 934

 (g) Transportation St. John's - Norris Point, NL, and back $ 2,338

 (h) **Total of expenses $ 21,037**

2. **Revenues**

 (a) Registration fees $ 2,615

 (b) AARMS support $ 4,725

 (c) Office of Research MUN $ 13,447

 (d) School of Graduate Studies MUN $ 250

 (h) **Total of revenues $ 21,037**

3. **Revenues minus Expenses - Nil**