Atlantic Association for Research in the Mathematical Sciences Pacific Institute for the Mathematical Sciences Memorial University of Newfoundland Atlantic Algebra Centre Network of Ontario Lie Theorists

August 12 - 16, 2019

International Workshop

Nonassociative Algebras and Geometry

Schedule

Bonne Bay Marine Station of Memorial University of Newfoundland Norris Point, NL

Monday, August 12, 2019

9:00	-	9:30	Opening/Registration
9:30	-	10:20	Erhard Neher
			University of Ottawa
			Steinberg groups for Jordan pairs
10:30	_	11:00	Coffee break
11:00	_	11:50	Yuly Billig
			Carleton University
			Representations of Lie algebras of
			VECTOR FIELDS ON ALGEBRAIC VARIETIES
12:00	-	14:00	Lunch break
14:00	-	14:50	Tom Baird
			Memorial University of Newfoundland
			E-POLYNOMIALS OF CHARACTER VARIETIES
			ASSOCIATED TO A REAL CURVE
15:00	-	15:50	Jörg Feldvoss
			University of South Alabama, USA
			Leibniz Cohomology
16:00	-	16:30	Coffee break
16:30	-	17:00	Irina Sviridova
			University of Brasilia, Brazil
			NIL AND NILPOTENCY PROPERTIES
			IN GRADED RINGS
17:10	-	17:30	Adèle Bourgeois
			University of Ottawa
			Bruhat-Tits theory for the structure
			OF REDUCTIVE GROUPS OVER LOCAL FIELDS
17:40	-	18:00	Caio Hornhardt
			Memorial University of Newfoundland
			Gradings on superinvolution-simple
			ASSOCIATIVE SUPERALGEBRAS

Tuesday, August 13, 2019

9:30	-	10:20	Alberto Elduque
			University of Zaragoza, Spain
			Graded-simple algebras and loop algebras
10:30	-	11:00	Coffee break
11:00	-	11:50	Yuly Billig
			Carleton University
			Representations of Lie algebras of
			VECTOR FIELDS ON ALGEBRAIC VARIETIES
12:00	-	14:00	Lunch break
14:00	-	14:50	Monica Nevins
			University of Ottawa
			Branching rules and types for
			REPRESENTATIONS OF P-ADIC GROUPS
15:00	-	15:50	Cristina Draper Fontanals
			University of Malaga, Spain
			DISTINGUISHED AFFINE CONNECTIONS ON
			HOMOGENEOUS CONTACT MANIFOLDS
16:00	-	16:30	Coffee break
16:30	-	17:00	Diogo Diniz Pereira da Silva e Silva
			Federal University of Campina Grande, Brazil
			Embeddings for the Jordan algebra
			OF A BILINEAR FORM
17:10	-	17:30	Karol Koziol
			University of Alberta
			Iwahori-Hecke algebras in the $(MOD-p)$
			Local Langlands program
17:40	-	18:00	Felipe Yasumura
			State University of Maringá, Brazil
			Group gradings on finite dimensional
			INCIDENCE ALGEBRAS

Wednesday, August 14, 2019

$Open\ Discussion$

Boat Tour on Western Brook Pond

Workshop Dinner at 7 p.m.

Thursday, August 15, 2019

09:00	-	09:30	Yuly Billig Carleton University
			LieAlg Maple package for computations
			IN INFINITE-DIMENSIONAL LIE THEORY
9.30	_	10.20	Ljudmila Sabinina
0.00		10.20	Autonomous University of the State of Morelos, Mexico
			On the BL-algebras with the identity $J(x,y,zt)=0$
10:30	_	11:00	Coffee break
			Vyjayanthi Chari
			University of California - Riverside, USA
			An introduction to cluster algebras
			AND ITS CONNECTIONS WITH GEOMETRY,
			COMBINATORICS AND REPRESENTATION THEORY
12:00	_	14:00	Lunch break
14:00	-	14:50	Plamen Koshlukov
			State University of Campinas, Brazil
			Gradings on Grassmann algebras and
			THEIR GRADED IDENTITIES
15:00	-	15:50	Cristina Draper Fontanals
			University of Malaga, Spain
			Distinguished affine connections on
			HOMOGENEOUS CONTACT MANIFOLDS
16:00	-	16:30	Coffee break
16:30	-	17:00	Alexei Krasilnikov
			University of Brasilia, Brazil
			The identities of a Lie algebra viewed
			as a Lie ring
17:10	-	17:30	Cameron Ruether
			University of Ottawa
			Rost multipliers of lifted Kronecker
			TENSOR PRODUCTS
17:40	-	18:00	Abdallah Abdul Karim Shihadeh
			Memorial University of Newfoundland
			Graded modules over the simple Lie algebra $\mathfrak{sl}_2(\mathbb{C})$

Friday, September 16, 2019

9:30	-	10:20	Ivan Arzhantsev
			Higher School of Economics, Moscow
			On lie algebras generated by vertical
			LOCALLY NILPOTENT VECTOR FIELDS
10:30	_	11:00	Coffee break
11:00	-	11:50	Vyjayanthi Chari
			University of California - Riverside, USA
			An introduction to cluster algebras
			AND ITS CONNECTIONS WITH GEOMETRY,
			COMBINATORICS AND REPRESENTATION THEORY
12:00	-	14:00	Lunch break
14:00	-	14:50	Seidon Alsaody
			University of Alberta
			A GEOMETRIC APPROACH TO EXCEPTIONAL
			Jordan Algebras
15:00	-	15:50	Yorck Sommerhäuser
			Memorial University of Newfoundland
			NEW EXAMPLES OF YETTER-DRINFEL'D
			Hopf algebras
16:00	-	16:30	Coffee break
16:30	-	17:00	Joanna Meinel
			University of Bonn, Germany
			$Deutsche\ Telekom\ AG$
			Hochschild Cohomology for graded
			ALGEBRAS
17:10	-	17:30	Mitja Mastnak
			Saint Mary's University
			FORMAL GRADED DEFORMATIONS AND
			CLASSIFICATION OF HOPF ALGEBRAS
17:40	-	18:00	Svea Nora Mierach
			Memorial University of Newfoundland
			University of Hamburg, Germany
			HOCHSCHILD COHOMOLOGY, MODULAR TENSOR
			CATEGORIES AND MAPPING CLASS GROUPS