

Scientific Program

Main Lectures (2 hours):

- ELI ALJADEFF. Graded polynomial identities and generic objects.
- VESSELIN DRENSKY. Computing of cocharacter sequences of PI-algebras.
http://www.mun.ca/aac/Workshops/PastWork/PI2/Drensky_St_Johns_talk_1.pdf,
http://www.mun.ca/aac/Workshops/PastWork/PI2/Drensky_St_Johns_talk_2.pdf.
- ANTONIO GIAMBRUNO. On the exponent of a polynomial. Graded algebras and codimension growth.
- PLAMEN KOSHLUKOV. Identities of algebras that resemble matrix algebras.
http://www.mun.ca/aac/Workshops/PastWork/PI2/Koshlukov_talk.pdf.
- VIKTOR PETROGRADSKY. Asymptotic characteristics of infinite dimensional Lie and associative algebras.
- MIKHAIL ZAICEV. Polynomial identities and exponential codimension growth.
<http://www.mun.ca/aac/Workshops/PastWork/PI2/zaicev.pdf>

Main Lectures (1 hour):

- MURRAY BREMNER. Algebras, dialgebras, and polynomial identities.
- ALEXEY GORDIENKO. Codimensions of polynomial identities of representations of Lie algebras.
<http://arxiv.org/pdf/1106.3608.pdf>.
- DARRELL HAILE. A graph theoretic approach to graded identities on matrices.
- DAVID RILEY. Properties of the Frobenius map in noncommutative algebras.

Short Communications:

- LUCIO CENTRONE. The graded Gelfand-Kirillov dimension of verbally prime algebras.
- ALESSIO CIRRITO. Group graded algebras and multiplicities bounded by a constant.
- MANUELA DA SILVA SOUZA. Graded embedding in PI-algebras.
http://www.mun.ca/aac/Workshops/PastWork/PI2/presentation_manu.pdf.
- OFIR DAVID. On regular graded algebras by a finite abelian group.
- THIAGO CASTILHO DE MELLO. On the centre of the generic algebra of $M_{1,1}(E)$.
http://www.mun.ca/aac/Workshops/PastWork/PI2/Thiago_presentation.pdf.
- JORDAN DALE HILL. Trace identities for matrices with the transpose involution.
- ONOFRIO DI VINCENZO. A note on graded identities of minimal superalgebras.
- OLGA FINOGENOVA. Indicator descriptions of some properties of associative ring varieties.
- JOSÉ ANTONIO FREITAS, ALEXEI KRASILNIKOV, PLAMEN KOSHLUKOV. \mathbb{Z} -Graded polynomial identities for the Lie algebra W_1 .
- YAAKOV KARASIK. Crossed products and their corresponding central polynomials.
- FABRIZIO MARTINO. Polynomial identities for the Jordan algebra of upper triangular matrices of order 2.
- ALDA DAYANA MATTOS. Group actions and identities for the simple Lie algebra $sl_2(\mathbb{C})$.
<http://www.mun.ca/aac/Workshops/PastWork/PI2/Alda.pdf>.
- YUVAL SHPIGELMAN. G -graded trace identities of matrices.
- HAMID USEFI. Lie identities on symmetric elements of restricted enveloping algebras.
<http://www.mun.ca/aac/Workshops/PastWork/PI2/usefi.pdf>.
- ANGELA VALENTI. Group graded algebras and almost polynomial growth.