

Monday, July 16

Room: Salvador

- 15:00 – 15:40 **Said Najati Sidki** (UnB, Brazil)
On the n -ary adding machine
- 15:50 – 16:30 **Sergey Shpectorov** (University of Birmingham, UK)
On a conjecture of Sidki
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Cristina Acciarri** (UnB, Brazil)
Fixed points of coprime automorphisms of finite groups
- 17:20 – 17:40 **Flavia Ramos Zapata** (UnB, Brazil)
Some algorithms for deciding conjugation in automata groups
- 17:40 – 18:00 **Theo A.D. Zapata** (UnB, Brazil)
Splitting theorems for pro- p groups acting virtually freely on pro- p trees

Monday, July 16

Room: Morro de São Paulo

- 15:00 – 15:40 **Vyacheslav Futorny** (IME-USP, Brazil)
Quantum Gelfand-Kirillov Conjecture
- 15:50 – 16:10 **Giuseppe Dito** (Université de Bourgogne, France)
Kontsevich quantization formula as a pseudo-Baker-Campbell-Hausdorff series
- 16:10 – 16:30 **Adriano Adrega de Moura** (IMECC-UNICAMP, Brazil)
Extensions of finite-dimensional representations of quantum affine algebras
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Iryna Kashuba** (IME-USP, Brazil)
New irreducible modules for affine Lie algebras
- 17:20 – 17:40 **Jonas T. Hartwig** (Stanford University, USA)
Weyl subalgebras and Cartan matrices
- 17:40 – 18:00 **Fernanda de Andrade Pereira** (IMECC-UNICAMP, Brazil)
Minimal affinizations of quantum groups: classification and structure

Monday, July 16

Room: Porto Seguro

- 15:00 – 15:40 **Angel del Río** (Universidad de Murcia, Spain)
Zassenhaus Conjecture for cyclic-by-abelian groups
- 15:50 – 16:10 **Raul Antonio Ferraz** (IME-USP, Brazil)
Central units of metacyclic group rings
- 16:10 – 16:30
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Mauricio José Caicedo-Borrero** (Universidad de Murcia, Spain)
The Congruence Subgroup Problem in group rings
- 17:20 – 17:40 **John H. Castillo** (IME-USP, Brazil)
Lie properties of symmetric elements in group algebras
- 17:40 – 18:00 **Antonio Calixto Souza Filho** (EACH-USP, Brazil)
Generating sets of some discrete groups

Monday, July 16

Room: Praia do Forte

15:00 – 15:40 **Angelo Felice Lopez** (University of Roma Tre, Italy)
Effective non-vanishing conjectures

15:50 – 16:10

16:10 – 16:30 **Beatriz Casulari da Motta Ribeiro** (UFJF, Brazil)
Complete arcs arising from a generalization of the Hermitian curve

16:30 – 17:00 *Coffee Break*

17:00 – 17:20 **Seyed Hamid Hassanzadeh** (UFPE, Brazil)
Castelnuovo-Mumford regularity of Cohen-Macaulay ideals with geometric applications

17:20 – 17:40 **Ramakrishna Nanduri** (The Institute of Mathematical Sciences, India)
A note on Hilbert coefficients of Schubert varieties in Grassmannians

Monday, July 16

Room: Ilhéus

- 15:00 – 15:40 **Eliezer Batista** (UFSC, Brazil)
Twisted partial actions of Hopf algebras
- 15:50 – 16:10 **Luciane Gobbi Tonet** (UFSM, Brazil)
Skew anel de séries de potências parcial
- 16:10 – 16:30 **Wagner de Oliveira Cortes** (UFRGS, Brazil)
Partial action of groups on categories
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Saradia Della-Flora** (UFRGS, Brazil)
Ações parciais torcidas e anéis de Goldie
- 17:20 – 17:40 **Marlon Soares** (UFRGS, Brazil)
Produto cruzado parcial e anel totalmente fracamente primo
- 17:40 – 18:00 **Alveri Alves Sant'Ana** (UFRGS, Brazil)
On the right distributive degree of a ring

Tuesday, July 17

Room: Salvador

- 15:00 – 15:40 **Antonio Giambruno** (Università di Palermo, Italy)
Polynomial identities and growth
- 15:50 – 16:30 **Onofrio Mario Di Vincenzo** (Università della Basilicata, Italy)
On some minimal supervarieties of exponential growth
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Daniela La Mattina** (Università di Palermo, Italy)
Supervarieties of algebras of polynomial growth
- 17:20 – 17:40 **Stefania Aquè** (Università di Palermo, Italy)
Cocharacters of bilinear mappings and graded matrices
- 17:40 – 18:00 **Fabrizio Martino** (Università di Palermo, Italy)
Polynomial identities for the Jordan algebra of upper triangular matrices of order two

Tuesday, July 17

Room: Morro de São Paulo

- 15:00 – 15:40 **Angel Carocca** (Universidad de La Frontera, Chile)
Abelian varieties with Hecke algebra action
- 15:50 – 16:10 **Aftab Pande** (UFRJ, Brazil)
Deformations of Galois Representations and the Theorems of Sato-Tate, Lang-Trotter and others
- 16:10 – 16:30 **Paula Murgel Veloso** (UFF, Brazil)
Sparse numerical semigroups: structure and bounds
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Guilherme Chaud Tizziotti** (UFU, Brazil)
Gröbner basis for norm-trace codes
- 17:20 – 17:40 **Peter Malcolm Johnson** (UFPE, Brazil)
Types of Cremona transformations over commutative rings

Tuesday, July 17

Room: Porto Seguro

- 15:00 – 15:40 **Benjamin Klopsch** (University of London, UK)
Representation growth of arithmetic groups
- 15:50 – 16:30 **Pavel Shumyatsky** (UnB, Brazil)
Verbal subgroups in finite and profinite groups
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Alexander Shchegolev** (Saint Petersburg State University, Russia)
Overgroups of subsystem subgroups in exceptional groups 2
- 17:20 – 17:40 **Noraí Romeu Rocco** (UnB, Brazil)
Finite p -groups with non-trivial Bogomolov multiplier
- 17:40 – 18:00 **Aline Pinto** (UnB, Brazil)
Profinite groups of non-negative deficiency

Tuesday, July 17

Room: Praia do Forte

- 15:00 – 15:40 **César Polcino-Milies** (UFABC, Brazil)
Some results on cyclic and abelian codes
- 15:50 – 16:10 **Laura Giambruno** (Université de Paris-Nord, LIPN, France)
Transducers for bidirectional decoding of finite deciphering delay codes
- 16:10 – 16:30 **Marinês Guerreiro** (UFV, Brazil)
G-equivalence in group algebras and minimal abelian codes
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Carina Alves** (UNESP, Rio Claro, Brazil)
Constructing a space-time code based on quaternion algebras with small volume
- 17:20 – 17:40 **Cintya Wink de Oliveira Benedito** (FEEC-UNICAMP, Brazil)
A necessary condition for obtaining arithmetic Fuchsian groups derived from quaternion orders

Tuesday, July 17

Room: Ilhéus

- 15:00 – 15:40 **Marcos Jardim** (IMECC-UNICAMP, Brazil)
Nested Hilbert schemes and representations of quivers
- 15:50 – 16:10 **Estefanía Andreu-Juan** (Universidad de Murcia, Spain)
The Hochschild cohomology ring of preprojective algebras of type \mathbb{L}_n
- 16:10 – 16:30
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Kostiantyn Iusenko** (IME-USP, Brazil)
Stable representations of bound quivers
- 17:20 – 17:40 **Renato Alessandro Martins** (IME-USP, Brazil)
J-Intermediate Wakimoto modules
- 17:40 – 18:00 **Luis Enrique Ramirez** (IME-USP, Brazil)
Gelfand-Tsetlin $\mathfrak{sl}(3)$ -modules with tableaux realization

Thursday, July 19

Room: Salvador

- 15:00 – 15:40 **Leonid Makar-Limanov** (Wayne State University, USA)
On the AK (ML) invariant
- 15:50 – 16:10 **Alicia Jeldres Labra** (Universidad de Chile, Chile)
Trace forms on commutative algebras satisfying an identity of degree four
- 16:10 – 16:30 **Manuel Camilo Arenas** (Universidad de Chile, Chile)
The Wedderburn decomposition for generalized almost-Jordan algebras
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Alexey Kuz'min** (IME-USP, Brazil)
On infinite basis for identities of one finitely presented Grassmann algebra of a certain right alternative metabelian variety
- 17:20 – 17:40 **Ivan Kaygorodov** (IME-USP, Brazil)
 $(n + 1)$ -Ary derivations of n -ary algebras

Thursday, July 19

Room: Morro de São Paulo

- 15:00 – 15:40 **John Meakin** (University of Nebraska, USA)
Idempotent generated semigroups and von Neumann regular rings
- 15:50 – 16:30 **Andrzej Zuk** (Université Paris 7, France)
On a problem of Atiyah
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Ilir Snopce** (UFRJ, Brazil)
Subgroup properties of pro- p extensions of centralizers
- 17:20 – 17:40 **Kirill Batalkin** (Saint Petersburg State University, Russia)
Iwasawa decomposition of Chevalley groups over the field of fractions of a Dedekind ring
- 17:40 – 18:00 **Sheila Campos Chagas** (UnB, Brazil)
Conjugacy separability, commensurability and free products with amalgamation

Thursday, July 19

Room: Porto Seguro

- 15:00 – 15:40 **Danielle Jacqueline Gondard-Cozette** (Université Pierre et Marie Curie (Paris 6), France)
On valuation fans and related topics
- 15:50 – 16:10 **Luciane Quoos Conte** (UFRJ, Brazil)
Bases for Riemann-Roch spaces of one point divisors on an optimal tower of function fields
- 16:10 – 16:30 **Ariane Masuda** (New York City College of Technology, USA)
Permutation binomials over finite fields
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Ronie Peterson Dario** (UTFPR, Brazil)
Pro- p Galois groups of pre- p -henselian fields
- 17:20 – 17:40 **André Gimenez Bueno** (UFMG, Brazil)
Geometrical study of the representation ring of a finite group

Thursday, July 19

Room: Praia do Forte

- 15:00 – 15:40 **Jairo Zacarias Gonçalves** (IME-USP, Brazil)
Construction of free subgroups in the multiplicative group of a division ring
- 15:50 – 16:30 **Vitor de Oliveira Ferreira** (IME-USP)
Free symmetric group algebras in division rings generated by orderable groups
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Maurício de Araujo Ferreira** (UEFS, Brazil)
Value functions on semisimple algebras
- 17:20 – 17:40 **Renato Fehlberg Júnior** (ICMC-USP, Brazil)
A result about Makar-Limanov's Conjecture
- 17:40 – 18:00 **Rogério Serôdio** (Universidade da Beira Interior, Portugal)
Decell's Algorithm for Quaternionic Moore-Penrose Inverses

Thursday, July 19

Room: Arraial d'Ajuda

- 15:00 – 15:40 **Sergio Lopez-Permouth** (Ohio University, USA)
Measuring modules: alternative perspectives in module theory
- 15:50 – 16:30 **Ana Cristina Vieira** (UFMG, Brazil)
Characterization of supervarieties with small graded colength
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Érica Zancanella Fornaroli** (UEM, Brazil)
Anti-automorphisms and involutions on (finitary) incidence algebras
- 17:20 – 17:40 **Rosali Brusamarello** (UEM, Brazil)
Multiplicative automorphisms in finitary incidence algebras
- 17:40 – 18:00 **Daiana da Silva Flôres** (UFMS, Brazil)
Quando um skew anel de grupóide é uma extensão de Galois?

Friday, July 20

Room: Salvador

- 15:00 – 15:40 **Angela Valenti** (Università di Palermo, Italy)
Almost nilpotent varieties
- 15:50 – 16:10 **Alexei Krasilnikov** (UnB, Brazil)
The additive group of a Lie nilpotent associative ring
- 16:10 – 16:30 **Irina Sviridova** (UnB, Brazil)
Graded algebras, involutions, and identities
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Viviane Ribeiro Tomaz da Silva** (UFMG, Brazil)
On *-cocharacters of $M_{1,1}(E)$
- 17:20 – 17:40 **Thiago Castilho de Mello** (UFSCar, Brazil)
The polynomial identities of the generic algebra of $M_{1,1}$

Friday, July 20

Room: Morro de São Paulo

- 15:00 – 15:40 **Pavel Kolesnikov** (Sobolev Institute of Mathematics, Russia)
Embeddings of dendriform algebras and their duals
- 15:50 – 16:10 **Arkady Tsurkov** (IME-USP, Brazil)
Strongly stable automorphisms of the categories of the finitely generated free linear algebras of the classical varieties
- 16:10 – 16:30 **Lucia Satie Ikemoto Murakami** (IME-USP, Brazil)
On right alternative bimodules and superalgebras
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Izabella Stuhl** (IME-USP, Brazil)
Characterization of right nuclear extensions of quasigroups
- 17:20 – 17:40 **Dylene Agda Souza de Barros** (IME-USP, Brazil)
The free commutative automorphic 2-generated loop of nilpotency class 3

Friday, July 20

Room: **Porto Seguro**

- 15:00 – 15:40 **Attila Maróti** (Alfred Rényi Institute of Mathematics, Hungary)
On products of conjugacy classes and products of characters in finite groups
- 15:50 – 16:30 **Luis Ribes** (Carleton University, Canada)
Normalizers in groups and in their profinite completions
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Marco Antonio Pellegrini** (UnB, Brazil)
Almost cyclic elements in representations of sporadic quasi-simple groups
- 17:20 – 17:40 **Kisnney Emiliano de Almeida** (UEFS, Brazil)
The Σ^1 -invariant for Artin groups of rank 1
- 17:40 – 18:00 **Maurizio Meriano** (Università di Salerno, Italy)
On bigenetic properties in groups

Friday, July 20

Room: **Praia do Forte**

- 15:00 – 15:40 **Javier Sánchez-Serdà** (IME-USP, Brazil)
Tilting modules over tame hereditary algebras
- 15:50 – 16:10 **Angelo Calil Bianchi** (IMECC-UNICAMP, Brazil)
Mutigraded modules and a generalization of Kirillov-Reshetikhin modules
- 16:10 – 16:30 **Evan Andrew Wilson** (IME-USP, Brazil)
Root Multiplicities of the Indefinite Type Kac-Moody Algebra $HD_n^{(1)}$
- 16:30 – 17:00 *Coffee Break*
- 17:00 – 17:20 **Paula Andrea Cadavid-Salazar** (IME-USP, Brazil)
Stratifying systems over hereditary algebras
- 17:20 – 17:40 **Heily Wagner** (IME-USP, Brazil)
Pullback of finite dimensional algebras
- 17:40 – 18:00 **Danilo Dias da Silva** (IME-USP, Brazil)
A partição pós-projetiva de $\text{ind}A$ e o grau de morfismos irredutíveis