

FINAL LIST OF TALKS – July 2, 2015

MAIN SPEAKERS

- (1) Leonid BEDRATYUK (Khmelnytskyi National University, Ukraine)
Classical invariant theory and its applications
- (2) Alexey BELOV-KANEL (with Ilya IVANOV-POGODAEV)
Construction of infinite finitely presented nilsemigroup
- (3) Tatiana GATEVA-IVANOVA (American University in Bulgaria and IMI – BAS, Sofia, Bulgaria)
Set-theoretic solutions of the Yang–Baxter equation,
braces and braided groups
- (4) Antonio GIAMBRUNO (University of Palermo, Italy)
Anomalies on codimension growth of algebras
- (5) Dimitar GRANTCHAROV (University of Texas at Arlington, USA)
Twisted localization of weight modules
- (6) Nikolay NIKOLOV (University of Oxford, UK)
Words and strong completeness of profinite groups:
beyond finite generation
- (7) Claudio PROCESI (University “La Sapienza”, Rome, Italy)
Fundamental algebras with polynomial identities
- (8) Amitai REGEV (Weizmann Institute of Science, Rehovot, Israel)
On the amount of central polynomials
- (9) Agata SMOKTUNOWICZ (School of Mathematics, University of Edinburgh, Scotland, UK)
Remarks on differential polynomial rings, tensor products
and growth of algebras
- (10) Mikhail ZAICEV (Moscow State University, Russia)
Graded codimensions of Lie superalgebras
- (11) Efim ZELMANOV (UC San Diego, USA)
Specht’s problem and pro- p identities of pro- p groups
- (12) Gregg ZUCKERMAN (Yale University, USA)
Infinite dimensional representations of Lie groups and Lie algebras

45-MIN. SPEAKERS

- (1) Eli ALJADEFF (Department of Mathematics, Technion – Israel Institute of Technology, Haifa, Israel)
On G -graded verbally prime algebras
- (2) Mashhour BANI ATA (PAAET – Kuwait)
On the classification of four-dimensional division algebras
over finite fields \mathbb{F}_q
- (3) Stefka BOUYUKLIEVA (St. Cyril and St. Methodius University of Veliko Turnovo, and Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Veliko Tarnovo, Bulgaria)
Self-dual codes and their automorphisms

- (4) Salvatore DOLCE (University “La Sapienza”, Rome, Italy and University of Edinburgh, UK)

On certain modules of covariants in exterior algebras

- (5) Vesselin DRENSKY (IMI – BAS, Sofia, Bulgaria)

Games on partitions

- (6) Alexey GORDIENKO (Vrije Universiteit Brussel, Belgium)

Semigroup graded algebras
and graded polynomial identities

- (7) Azniv KASPARIAN (Faculty of Mathematics and Informatics, Sofia University “St. Kliment Ohridski”, Bulgaria)

Toroidal compactifications of discrete quotients
of period domains

- (8) Martin KASSABOV (Cornell University, USA)

Hopf algebras and representation varieties

- (9) Dessislava KOCHLOUKOVA (State University of Campinas, Brazil)

Volume gradients and homology
in towers of residually-free groups

- (10) Plamen KOSHLUKOV (State University of Campinas, Brazil)

Gradings on Lie and Jordan algebras
and their graded identities

- (11) Ivan LANDJEV (New Bulgarian University, Sofia, Bulgaria)

The polynomial method in finite geometry

- (12) Ivo MICHAÏLOV (University of Shumen “Constantin Preslavski”, Bulgaria)

Unramified cohomology and Noether’s problem

- (13) Athanasios PAPISTAS (Aristotle University of Thessaloniki, Greece)

Free center-by-metabelian and nilpotent groups

- (14) Ivan PENKOV (Jacobs University, Bremen, Germany)

Primitive ideals in $U(\mathfrak{sl}(\infty))$, $U(\mathfrak{o}(\infty))$, $U(\mathfrak{sp}(\infty))$

- (15) Ilir SNOPCHE (Universidade Federal do Rio de Janeiro, Brazil)

Test elements in (pro- p) groups

- (16) Jenő SZIGETI (University of Miskolc, Hungary)

A new class of supermatrix algebras

- (17) Slobodan TANUSHEVSKI (Universidade Federal do Rio de Janeiro, Brazil)

A new class of generalized Thompson’s groups

30 MIN. SPEAKERS

- (1) Francesca BENANTI (University of Palermo, Italy)

Asymptotics for graded Capelli polynomials

- (2) Lyubomir BORISOV (IMI – BAS, Sofia, Bulgaria) and Asen BOJILOV (Faculty of Mathematics and Informatics, Sofia University “St. Kliment Ohridski”, Bulgaria)

Minimum distance and covering radius
of some Melas-like cyclic codes

- (3) Victor BOVDI (Department of Mathematical Sciences, UAE University – Al-Ain, United Arab Emirates)

Free subgroups in group rings

- (4) Peter BOYVALENKOV (IMI – BAS, Sofia, Bulgaria) and Maya STOYANOVA (Faculty of Mathematics and Informatics, Sofia University “St. Kliment Ohridski”, Bulgaria)

Levenshtein-type bound on maximal codes

- (5) Ivan CHIPCHAKOV (IMI – BAS, Sofia, Bulgaria)

Absolute Brauer p -dimensions, Henselian fields
and the inverse problem for index-period pairs

- (6) Kálmán CZISZTER (Alfréd Rényi Institute of Mathematics, Hungarian Academy of Sciences, Budapest, Hungary)

Degree bounds for generators of invariant rings

- (7) Ofir DAVID (Department of Mathematics, Technion – Israel Institute of Technology, Haifa, Israel)

The center of the generic G -crossed product

- (8) Onofrio Mario DI VINCENZO (Università degli Studi della Basilicata, Potenza, Italy)

Minimal superalgebras generating minimal supervarieties
with respect to the graded PI-exponent

- (9) Şehmus FINDIK (Çukurova University, Adana, Turkey)

Some classes of automorphisms of relatively free nilpotent Lie algebras

- (10) Olga FINOGENOVA (Ural Federal University, Yekaterinburg, Russia)

Tensor product theorems for different types of fields

- (11) Be’eri GREENFELD (Bar-Ilan University, Ramat Gan, Israel)

Structure and chains in non-commutative spectra

- (12) Geoffrey JANSSENS (Vrije Universiteit Brussel, Belgium)

PI-Exponent and structure of Lie algebras
with a generalized action

- (13) Yakov KARASIK (Department of Mathematics, Technion – Israel Institute of Technology, Haifa, Israel)

PI-representability and exponent
in the framework of Hopf algebras

- (14) Plamen KOEV (San José State University, USA)

Wishart matrices of arbitrary dimension over the reals

- (15) Boyan KOSTADINOV (Sofia, Bulgaria)

Application of rational generating functions
to algebras with polynomial identities

- (16) Daniela LA MATTINA (University of Palermo, Italy)

Algebras with polynomial codimension growth

- (17) Todor POPOV (Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, Sofia, Bulgaria)

Pre-plactic algebra

- (18) Tsetska RASHKOVA (University of Ruse “Angel Kanchev”, Bulgaria)
On the PI-properties of some matrix algebras with involution
- (19) Jordan SAHATTCHIEVE (Sofia, Bulgaria)
Bounded packing
- (20) Thomas SICKING (Mathematisches Institut, Georg-August-Universität Göttingen, Germany)
The dimension problem for groups and Lie rings
- (21) Špela ŠPENKO (Institute of Mathematics, Physics and Mechanics, University of Ljubljana, Slovenia)
Applications of matrix invariants in free function theory
and their non-commutative resolutions
- (22) Konstantin TABAKOV (Faculty of Mathematics and Informatics, Sofia University “St. Kliment Ohridski”, Bulgaria)
(2, 3)-Generation of some finite groups
- (23) Tatyana TODOROVA (Faculty of Mathematics and Informatics, Sofia University “St. Kliment Ohridski”, Bulgaria)
A Bombieri-Vinogradov type exponential sum result