ANTALYA ALGEBRA DAYS XVI
9-13 MAY 2014

FRIDAY, 9 MAY

09:30-10:30: Christophe Ritzenthaler (University Rennes 1)
How big is 4?

10:30-11:00: Coffee Break

11:00-12:00: Jennifer Balakrishnan (University of Oxford)
Coleman integration and integral points on hyperelliptic curves

12:00-13:50: Lunch Break

13:50-15:30: Workshops (Combinatorics I / Lie Algebras)

15:30-16:00: Coffee Break

16:00-17:00: Yves Aubry (Université de Toulon and Université Aix-Marseille)
Algebraic geometry and Abelian varieties over finite fields

17:00-18:00: Arzu Boysal (Boğaziçi Üniversitesi)
Bernoulli series and volumes of moduli spaces

18:30: Welcome gathering!

SATURDAY, 10 MAY

09:00-10:00: Christian Mauduit (Université Aix-Marseille)
Prime numbers, determinism and pseudorandomness

10:00-10:30: Coffee Break

10:30-11:30: Jonathan Jedwab (Simon Fraser University)
The structure of Costas arrays

11:30-12:30: Gerriet Martens (Universitaet Erlangen-Nuernberg)
The gonality sequence of an algebraic curve

12:30-14:00: Lunch Break

14:00-15:20: Workshops (Combinatorics II / Ring Theory I)

15:20-16:00: Coffee Break

16:00-18:50: Workshops (Module Theory / Number Theory I / Algebraic Geometry I)

SUNDAY, 11 MAY

09:30-10:30: Eva Bayer-Fluckiger (EPFL)
    Euclidean Number Fields and Euclidean Minima

10:30-11:00: Coffee Break

11:00-12:00: William D. Gillam (Boğaziçi Üniversitesi)
    Motivic cohomology and algebraic cycles

12:00-13:45: Lunch Break

13:45-19:00 (?): Excursion to Phaselis and Kemer

MONDAY, 12 MAY

09:00-10:00: Michel Lavrauw (Universitá degli Studi di Padova)
    On rank and orbits in tensor products over finite fields

10:00-10:30: Coffee Break

10:30-11:30: Arne Winterhof (RICAM, Austrian Academy of Sciences)
    Covering sets
11:30-12:30: Mercede Maj (Università degli Studi di Salerno)
    Some recent results on small doubling problems in orderable groups

12:00-13:50: Lunch Break

13:50-15:30: Workshops (Group Theory I / Number Theory II / Algebraic Geometry II)

15:30-16:00: Coffee Break

16:00-17:00: Patrizia Longobardi (Universitá degli Studi di Salerno)
    Sums of dilates and direct and inverse problems in Baumslag-Solitar groups

17:00-18:00: Francesco de Giovanni (University of Napoli "Federico II")
    Large soluble groups

18:10-19:10: Workshops (Group Theory II / Algebraic Geometry III / Ring Theory II)

TUESDAY, 13 MAY

09:00-10:00: Ian Morrison (Fordham University)
    GIT and birational geometry of moduli spaces of curves
10:00-10:30: Coffee Break

10:30-11:30: Ali Ulaş Özgür Kişisel (Middle East Technical University)
    Graphs of Varieties Associated to Multiplicative or Additive Group Actions

WORKSHOPS

FRIDAY, 9 MAY

Combinatorics I:

13:50-14:10: Ş. Yazıcı
A polynomial embedding of pairs of orthogonal partial latin squares
14:10-14:30: F. Demirkale
Linearly independent latin squares
14:30-14:50: B. Özkaya
Multidimensional quasi-cyclic and convolutional codes
14:50-15:10: S. Özkan
The Hamilton - Waterloo problem with uniform cycle sizes
15:10-15:30: E. Kolotoğlu
On large sets of projective planes of orders 3 and 4

Lie Algebras:

13:50-14:10: H. Adimi
Index of Hom-Lie algebras by central extension
14:10-14:30: K. Dekkar
Cohomology and deformations of hom-bialgebras and hom-hopf algebras
14:30-14:50: I. Demir
On Leibniz algebras
14:50-15:10: N. S. Öğüşlü
The test rank of a soluble product of free abelian Lie algebras

SATURDAY, 10 MAY

Combinatorics II:

14:00-14:20: C. Çalışkan
New infinite families of 2-edge-balanced graphs
14:20-14:40: M. M. Tan
Generalized multipliers, Weil numbers and circulant weighing matrices
14:40-15:00: M. Taşkın
Tower tableaux
15:00-15:20: H. Topçu
On the spectral determination of some special graphs

Ring Theory I:

14:00-14:20: E. Albaş
Generalized derivations with some related conditions on Lie ideals
14:20-14:40: B. A. Saylam
Density theorems for rings of Krull type
14:40-15:00: C. Hatipğolu
Injective hulls of simple modules over differential operator rings
15:00-15:20: Ö. Özkan
Involution of structural matrix algebras

Module Theory:

16:00-16:20: P. Aydoğdu
G-Dedekind primeness of Morita context
16:20-16:40: Y. Alagöz
Strongly (non)cosingular modules
16:40-17:00: M. T. Akçin
Betti series of the universal modules of second order derivations

Number Theory I:

17:10-17:30: A. Özkoç ,
Pell form and Pell equation in terms of Oblong numbers
17:30-17:50: Y. Akbal
Piatetski Shapiro meets Chebotarev
17:50-18:10: O. Uzunkol
Smaller generators for some class fields
18:10-18:30: Ö. D. Polat
Factorization of places in coverings of algebraic curves

Algebraic Geometry I:

18:30-18:50: N. Şahin
Arf rings for singularities

MONDAY, 12 MAY

Group Theory I:

13:50-14:10: A. Arıkan
Zaitsev type results
14:10-14:30: A. Arıkan
Infinitely generated periodic groups
14:30-14:50: M. Bouchelaghem
Groups whose proper subgroups have polycyclic-by-finite conjugacy classes
14:50-15:10: M. Hamitouche
Some properties of a generalized 3-abelian groups
15:10-15:30: A. Souad
On minimal non-hypercentral groups

Number Theory II:

13:50-14:10: L. Işık
On the minimum distance of cyclic codes
14:10-14:30: S. Tutdere
Recursive Artin-Schreier towers of function fields over F_2
14:30-14:50: M. Cenk
On the fast computation of Toeplitz matrix vector products over F_2
14:50-15:10: N. Anbar
On quadratic functions and Artin-Schreier curves

Algebraic Geometry II:

15:10-15:30: A. Erdoğan
Canonical lifting of abelian varieties

Group Theory II:

18:10-18:30: V. Tolstykh
The small index property for relatively free algebras
18:30-18:50: İ. Tuvay
Brauer indecomposability of Scott modules of Park-type groups

Algebraic Geometry III:

18:10-18:30: A. Iezzi
On the maximal number of points on singular curves over finite fields

Ring Theory II:

18:30-18:50: A. Koç
Representations of Leavitt and Cohn-Leavitt path algebras
18:50-19:10: S. Esin
A survey on recent advances about irreducible representation of Leavitt path algebras