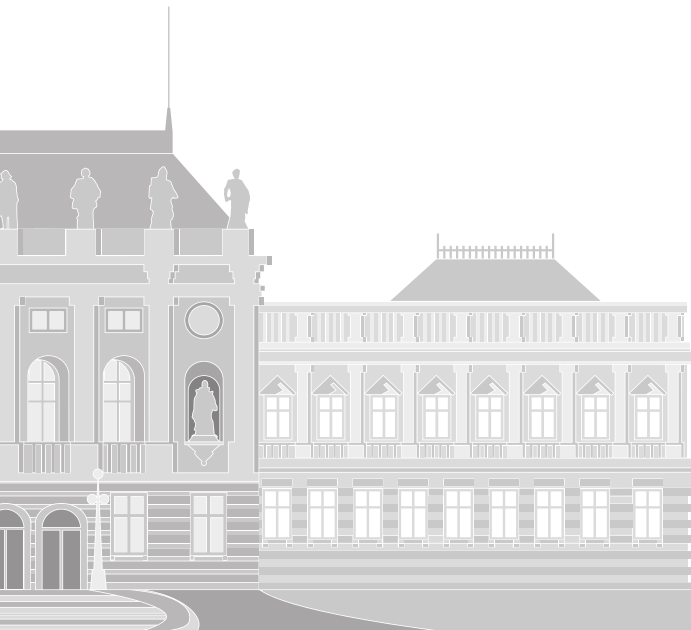


Combinatorial and Additive Number Theory 2016

Schedule

January 4-8, 2016
Graz, Austria



Monday

- 9:00 M. DeVos
On the structure of very small product sets
- 10:00 — Coffee break —
- 10:30 M. B. Nathanson
Sums of sets of lattice points
- 11:00 J. R. Schmitt
On Zeros of a Polynomial in a Finite Grid: the Alon-Füredi Bound
- 11:30 G. Petridis
Translated Dot Products in Finite Fields
- 12:00 — Lunch break —
- 14:00 P. P. Pach
On some Multiplicative Problems of Erdős
- 14:30 I. Vyugin
Solutions of polynomial equation over \mathbb{F}_p and new bounds of energy of multiplicative subgroups
- 15:00 S. Saad Eddin
An effective van der Corput inequality
- 15:30 — Coffee break —
- 16:00 S. Tringali
Upper densities and Darboux properties
- 16:30 L. L. Cristea
On some properties of the generalised multinomial measure
- 17:00 P. Baginski
Elasticity in Arithmetic Congruence Monoids
- 17:30 —————

Tuesday

- 9:00 P. Yuan
Unsplittable minimal zero-sum sequences over C_n
- 10:00 — Coffee break —
- 10:30 B. Bajnok
Open Problems About Sumsets in Finite Abelian Groups
- 11:00 Y. Li
Long zero-sum free sequences and n -zero-sum free sequences over finite cyclic groups
- 11:30 E. Szemerédi
Maximum Size of a Set of Integers with no Two adding up to a Square
- 12:00 — Lunch break —
- 14:00 W. A. Schmid
Characteristic Sets of Lengths
- 15:00 K. Csiszter
Connections between zero-sum theory and invariant theory
- 15:30 — Coffee break —
- 16:00 S. D. Adhikari
Some classical Ramsey-type theorems: Early and recent applications
- 16:30 A. Montejano
The use of additive tools in solving arithmetic anti-Ramsey problems
- 17:00 M. Huicochea
An inverse theorem in \mathbb{F}_p and rainbow free colorings
- 17:30 —————
- 19:00 Reception by the Governor of Styria in the state-rooms of Graz Burg, Hofgasse 15

Wednesday

- 9:00 I. Z. Ruzsa
More differences than multiple sums
- 10:00 — Coffee break —
- 10:30 G. Bhowmik
Upper Bounds for the Davenport's Constant
- 11:00 Y.-G. Chen
On a conjecture of Sárközy and Szemerédi
- 11:30 O. Roche-Newton
Structural sum-product problems
- 12:00 — Lunch break —
- 14:00 Z.-W. Sun
Some new problems and results in combinatorial and additive number theory
- 14:30 Ch. Aistleitner
Pair correlations and additive energy
- 15:00 I. Martinjak
Bijective Proof of Extensions of the Sury's Identity
- 15:30 — Coffee break —
- 16:00 Ch. Elsholtz
Second order differences between primes, for thin (but not too thin) sequences of primes
- 16:30 S. Saito
Mertens' theorems for Galois extensions
- 17:00 C. M. da Fonseca
An integral formula for a finite sum of inverse powers of cosines
- 17:30 —————

Thursday

- 9:00 A. Plagne
The Davenport constant of a box
- 10:00 — Coffee break —
- 10:30 J.-C. Schlage-Puchta
Subgroup growth of pro- p groups and additive combinatorics
- 11:00 G. Károlyi
Long arithmetic progressions in subset sums and a conjecture of Alon
- 11:30 P. Candela
Rokhlin's lemma, a generalization, and combinatorial applications
- 12:00 — Lunch break —
- 14:00 D. J. Grynkiewicz
The Freiman $3k - 4$ Theorem
- 15:00 V. Beck
Additive combinatorics methods in associative algebras
- 15:30 — Coffee break —
- 16:00 X. Zeng
The characterization of minimal zero-sum sequences over finite cyclic groups
- 16:30 A. Bagdasaryan
A contribution to zero-sum problem with some applications
- 17:00 H. L. Geleta
Fractional Hypergeometric Zeta Functions
- 17:30 —————

Friday

- 9:00 V. Lev
Some Problems in Combinatorial Number Theory
- 10:00 — Coffee break —
- 10:30 F. Hennecart
Expanders and good distribution in \mathbf{F}_p
- 11:00 D. Zhelezov
Discrete spheres and arithmetic progressions in product sets
- 11:30 N. Hegyvári
Character sum estimations for various problems in combinatorial number theory
- 12:00 Y. V. Stanchescu
On the structure of sets with a small doubling property in torsion free groups
- 12:30 —————