

WORDS 2011 — Conference program

Monday, September 12

8 ³⁰	Registration
9 ⁵⁰	Opening

Session chair: Edita Pelantová

10 ⁰⁰	Anna Frid (Invited talk)
(50'+10')	<i>Infinite Permutations vs. Infinite Words</i>

11 ⁰⁰	Coffee break
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Session chair: Julien Cassaigne

11 ³⁰	Steven Widmer
(25'+10')	<i>Permutation Complexity Related to the Letter Doubling Map</i>
12 ⁰⁵	Alexander Valyuzhenich
(25'+10')	<i>Permutation Complexity of the Fixed Points of Some Uniform Binary Morphisms</i>

12 ⁴⁰	Lunch
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Session chair: Christiane Frougny

14 ³⁰	Wolfgang Steiner
(25'+10')	<i>On the Delone Property of $(-\beta)$-integers</i>
15 ⁰⁵	Daniel Dombek
(25'+10')	<i>Substitutions over Infinite Alphabet Generating $(-\beta)$-integers</i>

15 ⁴⁰	Coffee break
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Session chair: Štěpán Holub

16 ⁰⁵	Aleksi Saarela
(25'+10')	<i>Systems of Word Equations and Polynomials: a New Approach</i>
16 ⁴⁰	Jeffrey Shallit
(25'+10')	<i>The Critical Exponent is Computable for Automatic Sequences</i>
17 ¹⁵	Vesa Halava, Tero Harju and Tomi Kärki
(25'+10')	<i>A New Proof for the Decidability of DOL Ultimate Periodicity</i>

18 ⁰⁰	Welcome drink
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Tuesday, September 13

Session chair: Pierre Arnoux

9³⁰ Srečko Brlek (Invited talk)
(50'+10') *Interactions between Digital Geometry and Combinatorics on Words*

10³⁰ Thierry Monteil
(25'+10') *The Complexity of Tangent Words*

11⁰⁵ Coffee break

Session chair: Luca Zamboni

11³⁰ Valérie Berthé and Sébastien Labbé
(25'+10') *Uniformly Balanced Words with Linear Complexity and Prescribed Letter Frequencies*

12⁰⁵ Nikita Sidorov
(25'+10') *Optimizing Properties of Balanced Words*

12⁴⁰ Lunch

Session chair: Nikita Sidorov

14³⁰ Sébastien Ferenczi
(25'+10') *Dynamical Generalizations of the Lagrange Spectrum*

15⁰⁵ Mathieu Roux and Brigitte Vallée
(25'+10') *Information Theory: Sources, Dirichlet Series, and Realistic Analyses of Data Structures*

15⁴⁰ Coffee break

Session chair: Valérie Berthé

16⁰⁵ Gabriele Fici
(25'+10') *A Classification of Trapezoidal Words*

16⁴⁰ Svetlana Puzynina and Luca Q. Zamboni
(25'+10') *Abelian Returns in Sturmian Words*

Wednesday, September 14

Session chair: Juhani Karhumäki

9³⁰ Pascal Ochem (Invited talk)
(50'+10') *Pattern Avoidance and HDOL Words*

10³⁰ Bastian Bischoff and Dirk Nowotka
(25'+10') *Pattern Avoidability with Involution*

11⁰⁵ Coffee break

Session chair: Juhani Karhumäki

11³⁰ Stefano Bilotta, Elisa Pergola and Renzo Pinzani
(25'+10') *Binary words avoiding some patterns*

12⁰⁵ Elena Petrova and Arseny Shur
(25'+10') *Constructing Premaximal Binary Cube-free Words of Any Level*

Session chair: Štěpán Holub

NB: a different venue, see “Participant booklet”

17³⁰ Eva Hajičová (Invited talk)
(50'+10') *Form and Function in Language: A Praguian View*

19⁰⁰ Conference dinner

Thursday, September 15

Session chair: Arseny Shur

9³⁰ Juha Kortelainen (Invited talk)
(50'+10') *Combinatorics on Words in Information Security: Unavoidable Regularities in the Construction of Multicollision Attacks on Iterated Hash Functions*

10³⁰ Stefano Crespi Reghizzi and Pierluigi San Pietro
(25'+10') *From Regular to Strictly Locally Testable Languages*

11⁰⁵ Coffee break

Session chair: Dirk Nowotka

11³⁰ Michaël Cadilhac, Alain Finkel and Pierre McKenzie
(25'+10') *Bounded Parikh Automata*

12⁰⁵ Flavio D'Alessandro and Benedetto Intrigila
(25'+10') *On the Commutative Equivalence of Bounded Context-free and Regular Languages*

12⁴⁰ Lunch

Session chair: Maxime Crochemore

14³⁰ Narad Rampersad, Jeffrey Shallit and Arseny Shur
(25'+10') *Fife's Theorem for (7/3)-Powers*

15⁰⁵ Irina Gorbunova and Arseny Shur
(25'+10') *On Pansiot Words Avoiding 3-Repetitions*

15⁴⁰ Coffee break

Session chair: Jeffrey Shallit

16⁰⁵ Golnaz Badkobeh and Maxime Crochemore
(25'+10') *Finite-Repetition Threshold for Infinite Ternary Words*

16⁴⁰ Francine Blanchet-Sadri, Aleksandar Chakarov, Lucas Manuelli, Jarett Schwartz and Slater Stich
(25'+10') *Recurrent Partial Words*

Friday, September 16

Session chair: Zuzana Masáková

9³⁰ Benoît Rittaud and Laurent Vivier (Invited talk)
(50'+10') *Circular Words and Applications*

10³⁰ Hossein Nevisi and Daniel Reidenbach
(25'+10') *Unambiguous 1-Uniform Morphisms*

11⁰⁵ Coffee break

Session chair: Jean Neraud

11³⁰ Matthew J. Samuel
(25'+10') *Word Posets, with Applications to Coxeter Groups*

12⁰⁵ Fabio Burderi
(25'+10') *Monoids and Maximal Codes*

12⁴⁰ Conference closing
