

Third Russian Finnish Symposium on Discrete Mathematics (RuFiDiM-2014)
15-18 September 2014, Petrozavodsk, Russia

Program

September 14: Arrival day.	
September 15: Working day. Park Inn, 6-th floor, Conference hall Pietari-2	
8.30-9.00	Registration
9.00	Opening remark
9.15-10.05	<i>Invited lecture</i> Alexander Zvonkin (University of Bordeaux, France) On polynomials of Birch-Chowla-Hall-Schinzel-Davenport-Stothers-Zannier-Beukers-Stewart and weighted plane trees
10.05-10.40	<i>Contributed talk</i> Sebastien Ferenczi, Luca Q. Zamboni Clustering words and interval exchanges
10.40-11.15	<i>Contributed talk</i> Vladimir Edemskiy About the linear complexity of sequences over the finite field of four elements
11.15-11.30	<i>Coffee break</i>
11.30-12.05	<i>Contributed talk</i> Joseph Romanovsky, Dmitry Eibozhenko Dynamic Programming Usage in Steiner Problem in Graphs
12.05-12.30	<i>Short Communication</i> Danila Cherkashin On property B of hypergraphs
12.30-14.00	<i>Lunch</i>
14.00-14.35	<i>Contributed talk</i> Ville Junnila, Tero Laihonen Minimum Number of Input Clues in an Associative Memory
14.35-15.10	<i>Contributed talk</i> Dimitry Ananichev, Vladimir Gusev Approximation of reset thresholds with greedy algorithms

15.10-15.35	<i>Short Communication</i> Marina Maslennikova Complexity of checking whether two automata are synchronized by the same language
15.35-16.00	<i>Coffee break</i>
16.00-16.35	<i>Contributed talk</i> Irina Cheplyukova Limit theorems for the number of multiple edges in the configuration graph
16.35-17.10	<i>Contributed talk</i> Dmitry Itsykson, Mikhail Slabodkin, Dmitry Sokolov Resolution complexity of perfect matching principles for sparse graphs
17.10-17.45	<i>Contributed talk</i> Svetlana Selezneva On the Multiplicative Complexity of Some Boolean Functions
17.45-18.10	<i>Short Communication</i> Denis Dublennykh Descriptive complexity of additive shift of regular language
19.00	<i>Welcome party</i>
September 16: Working day. Park Inn, 6-th floor, Conference hall Pietari-2	
9.00-9.50	<i>Invited lecture</i> Andrei Raigorodskii (Moscow State University, Russia) Combinatorial geometry and coding theory
9.50-10.25	<i>Contributed talk</i> Ilya Ponomarenko Coset closure of a circulant S-ring and Schur's problem
10.25-10.50	<i>Short Communication</i> Marina Maslennikova, Emanuele Rodaro Principal (Left) Ideal Languages, Constants and Synchronizing Automata
10.50-11.10	<i>Coffee break</i>
11.10-11.45	<i>Contributed talk</i> Vesa Halava, Tero Harju, Reino Niskanen, Igor Potapov Undecidability for integer weighted Buchi automata and Robot Games with states

11.45-12.20	<i>Contributed talk</i> Andrei Kolchin, Valentin Kolchin, Natalia Enatskaya
12.20-12.45	Allocations of particles to cells and partitions of a number <i>Short Communication</i> Pavel Tarasov Several Necessary Conditions For Uniformity of Finite Systems of Many-valued Logic
12.45-14.00	<i>Lunch</i>
14.00-14.35	<i>Contributed talk</i> Takashi Matsuhisa Subgroup Nash Equilibrium and Communication for S5n-Knowledge
14.35-15.10	<i>Contributed talk</i> Vladimir Mazalov, Ludmila Truhina Generating functions and cooperation in communication networks
15.10-15.35	<i>Short Communication</i> Alexandr Valyuzhenich On connection between permutation complexity and factor complexity of infinite words
15.35-16.00	<i>Short Communication</i> Gleb Nenashev On Heawood-type problems for maps with tangencies
16.00-16.20	<i>Coffee break</i>
16.20-16.55	<i>Contributed talk</i> Marina Leri, Yuri Pavlov Forest fire models on configuration random graphs
16.55-17.30	<i>Contributed talk</i> Dmitri Karpov On vertices of degree k in minimal k -connected graphs
17.30-18.05	<i>Contributed talk</i> Dmitry Korzun On Relation of Linear Diophantine Equation Systems with Commutative Grammars
18.05-18.30	<i>Short Communication</i> Elena Feklistova, Yuri Pavlov On the behaviour of an edge number in a power-law random graph near a critical point

September 17: Working day. Excursions.
IAMR KarRC RAS,
11, Pushkinskaya, room 311 (Conference hall of IAMR)

8.45-9.35	<p><i>Invited lecture</i> Jarkko Kari (University of Turku, Finland) Piecewise affine functions, Sturmian sequences and aperiodic tilings</p>
9.35-10.10	<p><i>Contributed talk</i> Aleksi Saarela Equivalence Relations Defined by Numbers of Occurrences of Factors</p>
10.10-10.45	<p><i>Contributed talk</i> Alexei Pastor About vertices of degree 6 of C3-critical minimal 6-connected graph</p>
<i>Excursion to Kizhi island</i>	
19.00	<i>Conference dinner</i>
September 18: Working day. Departure day. Park Inn, 6-th floor, Conference hall Kivach	
9.00-9.50	<p><i>Invited lecture</i> Julien Cassaigne (Institut de mathématiques de Marseille, Marseille, France) Decomposition of a language of factors into sets of bounded complexity</p>
9.50-10.25	<p><i>Contributed talk</i> Andrei Kolchin On application of the probabilistic method to analysing the partitions of an integer</p>
10.25-11.00	<p><i>Contributed talk</i> Elena Khvorostyanskaya On the number of trees of a given size in a conditional Poisson Galton-Watson forest</p>
11.00-11.25	<p><i>Short Communication</i> Andrew Drac Paged representation of stacks in single-level memory</p>
11.25-11.45	<i>Coffee break</i>

11.45-12.20	<p><i>Contributed talk</i> Mikhail Rubinchik, Arseny M. Shur On the Number of Distinct Subpalindromes in Words</p>
12.20-12.55	<p><i>Contributed talk</i> Anna Rettieva Asymmetry in Discrete–Time Bioresource Management Problem</p>
12.55-13.30	<p><i>Contributed talk</i> Anna Ivashko, Elena Konovalchikova Discrete time two-sided mate choice problem with age preferences</p>
13.30-13.55	<p><i>Short Communication</i> Eugene Barkovsky Some models of representation of two parallel FIFO-queues and their optimal control</p>
<i>Departure</i>	