



# PROGRAMME

## Tuesday, June 4

14:00 – 21:00 Registration (Room 62, [Mathematics & Informatics building](#), 3<sup>rd</sup> floor)

## Wednesday, June 5 – Morning

8:15 – 9:15 Registration (Room 62, [Mathematics & Informatics building](#), 3<sup>rd</sup> floor)

	<b>Amphitheatre A1 "Nikola Tesla", Tech building</b>
9:30 – 9:45	Opening ceremony
	<b>SESSION P1 (Chair: I. Dolinka)</b>
9:45 – 10:35	<b>Peter J. Cameron:</b> <i>Permutation groups and transformation semigroups</i>
10:40 – 11:10	<b>COFFEE BREAK</b>
11:10 – 12:00	<b>Ralph McKenzie:</b> <i>Malcev families of quasivarieties closed under join or Malcev product</i>

## Wednesday, June 5 – Afternoon

	Lecture Room 65	Lecture Room 63	Lecture Room 60/61
	SESSION L1 (Chair: F. Wehrung)	SESSION M1 (Chair: A. Pillay)	SESSION S1 (Chair: M. V. Volkov)
14:30 – 14:50	<b>Anna Mućka:</b> <i>Duality via truth for distributive interlaced bilattices</i>	<b>Slavko Moconja:</b> <i>Asymmetric regular types</i>	<b>James East:</b> <i>Infinite partition monoids</i>
14:55 – 15:15	<b>Eszter K. Horváth:</b> <i>Islands and proximity domains</i>	<b>Dejan Ilić:</b> <i>Small expansions of <math>(\omega, &lt;)</math> and <math>(\omega + \omega^*, &lt;)</math></i>	<b>Karl Auinger:</b> <i>Pseudovarieties generated by Brauer type monoids</i>
15:20 – 15:40	<b>Sergejs Solovjovs:</b> <i>On morphisms of lattice-valued formal contexts</i>	<b>Aleksandar Pavlović:</b> <i>On generalizations of the Cantor and Aleksandrov cube</i>	<b>László Márki:</b> <i>Commutative orders in semigroups</i>
15:45 – 16:05	<b>Branimir Šešelja:</b> <i>Structure of weak suborders of a poset</i>	<b>Boris Šobot:</b> <i>Random bipartite graphs</i>	<b>Ganna Kudryavtseva:</b> <i>On multisemigroups</i>
16:10 – 16:40	<b>COFFEE BREAK</b>		
	SESSION A1 (Chair: P. Idziak)	SESSION G1 (Chair: P. J. Cameron)	SESSION S2 (Chair: V. Gould)
16:40 – 17:00	<b>Jakub Bulín:</b> <i>Algebraic approach to coloring by oriented trees</i>	<b>Wolfram Bentz:</b> <i>Groups that are almost synchronizing</i>	<b>Thomas Vetterlein:</b> <i>Direction cones for the representation of tomonoids</i>
17:05 – 17:25	<b>Dejan Delić:</b> <i>Expressibility of graph homomorphism obstructions in the logic LFP+Rank</i>	<b>Denis I. Saveliev:</b> <i>On Zariski topologies of Abelian groups with operations</i>	<b>Nasir Sohail:</b> <i>Epimorphisms of partially ordered semigroups</i>
17:30 – 17:50	<b>Andrei Krokhin:</b> <i>Fractional universal algebra</i>		

## Thursday, June 6 – Morning

	<b>Amphitheatre A1 "Nikola Tesla", Tech building</b>
	<b>SESSION P2 (Chair: R. Willard)</b>
9:00 – 9:50	<b>Keith Kearnes:</b> <i>Finitely based finite algebras</i>
9:55 – 10:25	<b>COFFEE BREAK</b>
10:25 – 11:15	<b>Nik Ruškuc:</b> <i>Free idempotent generated semigroups</i>
11:20 – 12:10	<b>Anand Pillay:</b> <i>Recent trends in model theory</i>

## Thursday, June 6 – Afternoon

	<b>Amphitheatre A1 "Nikola Tesla", Tech building</b>
	<b>SESSION P3 (Chair: K. Kearnes)</b>
14:30 – 15:20	<b>Ross Willard:</b> <i>Graphs, polymorphisms, and multi-sorted structures</i>
15:25 – 15:55	<b>COFFEE BREAK</b>
15:55 – 16:45	<b>Mark Kambites:</b> <i>Free adequate semigroups</i>
16:50 – 17:40	<b>Ludomir Newelski:</b> <i>Topological methods in model theory</i>

19:30 – Conference dinner: Restaurant "SKALA", Mičurinova 30 (approx. 200-300m from the "Park" Hotel)

## Friday, June 7 – Morning

	<b>Amphitheatre A1 "Nikola Tesla", Tech building</b>
	<b>SESSION P4 (Chair: J. C. Meakin)</b>
9:00 – 9:50	<b>Benjamin Steinberg:</b> <i>Quasivarieties and hyperplane arrangements</i>
9:55 – 10:25	<b>COFFEE BREAK</b>
10:25 – 11:15	<b>Libor Barto:</b> <i>Prime Maltsev conditions</i>
11:20 – 12:10	<b>Robert Gray:</b> <i>Infinite monoids as geometric objects</i>

## Friday, June 7 – Afternoon

	Lecture Room 65	Lecture Room 63	Lecture Room 61
	SESSION M2 (Chair: M. Pinsker)	SESSION G2 (Chair: J. Meldrum)	SESSION S3 (Chair: B. Steinberg)
14:30 – 14:50	<b>Maja Pech:</b> <i>On generating sets of polymorphism clones of homogeneous structures</i>	<b>Mashhour Bani Ata:</b> <i>On semifields of order <math>q^4</math> with center <math>F_q</math>, admitting a Klein four group of automorphisms</i>	<b>Jenni Awang:</b> <i>Semigroups and geometric spaces</i>
14:55 – 15:15	<b>Christian Pech:</b> <i>On the Bergman property for clones</i>	<b>Damjana Kokol Bukovšek:</b> <i>Minimal matrix centralizers over the field <math>Z_2</math></i>	<b>Marcel Jackson:</b> <i>Monoid varieties with continuum many subvarieties</i>
15:20 – 15:40	<b>Éva Jungábel:</b> <i>On homomorphism-homogeneous point-line geometries</i>	<b>Ilja Gogić:</b> <i>On automorphisms, derivations and elementary operators</i>	<b>Samuel J. L. Kopamu:</b> <i>Semigroup varieties determined by <math>zx^2=zx</math> and <math>zkxyw=zk yxw</math></i>
15:45 – 16:05	<b>Aibat R. Yeshkeyev:</b> <i>The similarities of positive Jónsson theories in admissible enrichments of signature</i>	<b>Pham Ngoc Anh:</b> <i>Gauss' Lemma and valuation theory</i>	<b>Nicholas J. Loughlin:</b> <i>Algebraic models of computation</i>
16:10 – 16:40	<b>COFFEE BREAK</b>		
	SESSION A2 (Chair: L. Barto)	SESSION C1 (Chair: M. Kurilić)	SESSION S4 (Chair: N. Ruškuc)
16:40 – 17:00	<b>Arkady Tsurkov:</b> <i>Automorphic equivalence of many-sorted algebras</i>	<b>Stephan Foldes:</b> <i>Ordered sets in information theory</i>	<b>Tara Brough:</b> <i>Automaton semigroup constructions</i>
17:05 – 17:25	<b>Tamás Waldhauser:</b> <i>Invariance groups of finite functions and orbit equivalence of permutation groups</i>	<b>Bojan Bašić:</b> <i>On multipalindromic sequences</i>	<b>Alex McLeman:</b> <i>Cayley automaton semigroups</i>
17:30 – 17:50	<b>Erkko Lehtonen:</b> <i>Reconstructing functions from identification minors</i>	<b>Izabella Stuhl:</b> <i>Automorphism groups of free Steiner triple systems</i>	<b>Markus Pfeiffer:</b> <i>Semigroups with low difficulty word problem</i>
17:55 – 18:15	<b>Matthew Smedberg:</b> <i>Finitely generated varieties which are finitely decidable are residually finite</i>		<b>Nasim Karimi:</b> <i>Reaching the minimum ideal in a finite semigroup</i>

## Saturday, June 8 – Morning

	<b>Amphitheatre A1 "Nikola Tesla", Tech building</b>
	<b>SESSION P5 (Chair: L. Márki)</b>
9:00 – 9:50	<b>James D. Mitchell:</b> <i>Sierpiński rank of groups and semigroups</i>
9:55 – 10:25	<b>COFFEE BREAK</b>
10:25 – 11:15	<b>Ágnes Szendrei:</b> <i>Dualizable algebras</i>
11:20 – 12:10	<b>Victoria Gould:</b> <i>Adequate and Ehresmann semigroups</i>

## Saturday, June 8 – Afternoon

	Lecture Room 65	Lecture Room 63	Lecture Room 61
	SESSION L2 (Chair: B. Šešelja)	SESSION A3 (Chair: P. Mayr)	SESSION S5 (Chair: J. D. Mitchell)
14:30 – 14:50	<b>Friedrich Wehrung:</b> <i>Lattices of regular closed sets in closure spaces: semidistributivity and Dedekind-MacNeille completions</i>	<b>Katarzyna Matczak:</b> <i>Quasivarieties of idempotent, entropic and symmetric groupoids</i>	<b>James Hyde:</b> <i>Sierpiński rank and universal sets</i>
14:55 – 15:15	<b>Gábor Czédli:</b> <i>Coordinatization of join-distributive lattices</i>	<b>Stipe Vidak:</b> <i>The relation between pentagonal and GS-quasigroups</i>	<b>Rida-e Zenab:</b> <i>Restricted semidirect products via inductive categories</i>
15:20 – 15:40	<b>Miroslav Ploščica:</b> <i>Congruence lattices and Compact Intersection Property</i>	<b>Mike Behrisch:</b> <i>Relational structure theory - localising algebras, and more</i>	<b>Tamás Dékány:</b> <i>A generalization of the Kaloujnine-Krasner Theorem</i>
15:45 – 16:05	<b>João Pita Costa:</b> <i>The persistence lattice</i>	<b>Alexandr Kazda:</b> <i>How to decide absorption</i>	<b>Dandan Yang:</b> <i>Free idempotent generated semigroups over bands</i>
16:10 – 16:40	<b>COFFEE BREAK</b>		
	SESSION A4 (Chair: E. Aichinger)	SESSION G3 (Chair: P. N. Anh)	SESSION S6 (Chair: R. Gray)
16:40 – 17:00	<b>David Stanovský:</b> <i>Commutator theory for loops</i>	<b>John Meldrum:</b> <i>Semigroup near-rings</i>	<b>G. Stacey Staples:</b> <i>Combinatorial semigroups and induced/deduced operators</i>
17:05 – 17:25	<b>Nebojša Mudrinski:</b> <i>A characterization of 2-supernilpotent Mal'cev algebras</i>	<b>Marko Radovanović:</b> <i>On the genus of the intersection graph of ideals of a commutative ring</i>	<b>Attila Egri-Nagy:</b> <i>On enumerating transformation semigroups</i>
17:30 – 17:50	<b>Peter Mayr:</b> <i>Supernilpotence prevents dualizability</i>		



## Sunday, June 9 – Morning

	<b>Amphitheatre A1 "Nikola Tesla", Tech building</b>
	<b>SESSION P6 (Chair: Á. Szendrei)</b>
9:00 – 9:50	<b>Mikhail V. Volkov:</b> <i>Epigroup varieties with modular subvariety lattices</i>
9:55 – 10:25	<b>COFFEE BREAK</b>
10:25 – 11:15	<b>Erhard Aichinger:</b> <i>Higher commutators, nilpotence, and supernilpotence</i>
11:20 – 12:10	<b>Michael Pinsker:</b> <i>The 42 reducts of the random ordered graph</i>
12:15 – 12:30	Closing