



PROGRAMME

Wednesday, 14 June

16:00 – 21:00 Registration (Reading Room, DMI – Mathematics & Informatics building, ground floor)

Thursday, 15 June – Morning

7:45 – 8:30 Registration (Rectorate – The central building of UNS, ground floor)

	Amphitheatre (ground floor)	Room (floor I)	Room (floor II)
9:00 – 9:15	<i>Opening ceremony</i>		
	SESSION A1 (Chair: K. Kearnes)		
9:15 – 10:10	Brian Davey: <i>The homomorphism lattice induced by a finite algebra</i>		
10:10 – 10:45	<i>Coffee break</i>		
		SESSION B1 (Chair: N. Mudrinski)	SESSION C1 (Chair: M. V. Volkov)
10:45 – 11:10	Reinhard Pöschel: <i>Reflection-closed varieties of multisorted algebras and minor identities I</i>	Emília Halušková: <i>On limit closed classes of algebras</i>	Karl Auinger: <i>On the variety of strict pseudosemilattices</i>
11:15 – 11:40	Erkko Lehtonen: <i>Reflection-closed varieties of multisorted algebras and minor identities II</i>	Andrew Moorhead: <i>Higher Delta and supernilpotence for congruence modular varieties</i>	Azeef Muhammed P.A.: <i>Cross-connections and variants of the full transformation semigroup</i>
11:45 – 12:10	Kalle Kaarli: <i>Representation of integral quantales by tolerances</i>	Eran Crockett: <i>Dualizable algebras of arbitrary nilpotence class</i>	António Malheiro: <i>Identities in plactic and related monoids</i>

Thursday, 15 June – Afternoon

	Amphitheatre (ground floor)	Room (floor I)	Room (floor II)
	SESSION A2 (Chair: M. Ploščica)		
14:30 – 15:25	Gábor Czédli: <i>From weak congruence lattices to circles and an online game</i>	SESSION B2 (Chair: P. Marković)	SESSION C2 (Chair: M. Kambites)
15:30 – 15:55	Eszter K. Horváth: <i>Lattice-valued functions</i>	Dejan Delić: <i>Maltsev CSPs are definable in 2-sorted Datalog</i>	Alexander Jende: <i>On the characterization of orthogroups by disjunctions of identities</i>
16:00 – 16:25	Dušan Radičanin: <i>Weak congruences on categories</i>	Jakub Bulín: <i>Clonoids and Promise CSP</i>	Eugenia Kochubinska: <i>Spectral properties of partial automorphisms of a regular rooted tree</i>
16:25 – 17:00	<i>Coffee break</i>		
	SESSION A3 (Chair: G. Czédli)		
17:00 – 17:25	Anna Slivková: <i>On partial matroids, geometric posets and semimodular posets</i>	Alexandr Kazda: <i>Solving edge CSP with even delta-matroid constraints</i>	Eugenia A. Bondar: <i>\mathcal{R}-cross-sections of the semigroup of order-preserving transformations of a finite chain</i>
17:30 – 17:55	Vanja Stepanović: <i>Some properties of monotonous fuzzy set operator applied to fuzzy set equations and inequations</i>	Jakub Opršal: <i>Infinite algebras with few subpowers</i>	Boris M. Vernikov: <i>Cancellable elements of the lattice of semigroup varieties</i>
18:00 – 18:25	Léonard Kwuida: <i>Generalized attributes in concept lattices</i>	Johannes Greiner: <i>The complexity of free combinations of temporal CSPs</i>	Rida-e Zenab: <i>Restriction semigroups and λ-Zappa-Szép products</i>
18:30 – 19:25	Miroslav Ploščica: <i>Critical points for congruence lattices</i>		

The official programme of the Special Session "Lattices and Ordered Structures" (dedicated to the retirement of Prof. Branimir Šešelja) is shaded in violet.

Friday, 16 June – Morning

	Amphitheatre (ground floor)	Room (floor I)	Room (floor II)
	SESSION A4 (Chair: I. Dolinka)		
9:00 – 9:55	Nik Ruškuc: <i>Congruence lattices of diagram monoids</i>		
9:55 – 10:30	<i>Coffee break</i>		
		SESSION B3 (Chair: D. N. Zhuk)	SESSION C3 (Chair: B. Davey)
10:30 – 10:55	Victoria Gould: <i>Coherency for monoids</i>	Stanislav Moiseev: <i>The lattice of all clones definable by binary relations on a three-element set</i>	Claudia Mureşan: <i>Transferring Davey's theorem on annihilators and m-completeness to modular congruence lattices</i>
11:00 – 11:25	Mark Kambites: <i>Random walks on semigroups</i>	Ádám Kunos: <i>Clones of small posets</i>	Christopher Taylor: <i>Algebras of incidence structures: representing regular double p-algebras</i>
11:30 – 11:55	Mária B. Szendrei: <i>On products of inverse semigroups</i>	Miroslav Olšák: <i>The weakest nontrivial idempotent equations</i>	Gergő Gyenize: <i>Lattice representations with DCC posets</i>

Friday, 16 June – Afternoon

	Amphitheatre (ground floor)	Room (floor I)	Room (floor II)
	SESSION A5 (Chair: N. Ruškuc)		
14:30 – 15:25	Mikhail V. Volkov: <i>Local finiteness for Green's relations in semigroup varieties</i>		SESSION C4 (Chair: M. Maróti)
15:30 – 15:55	Melanija Mitrović: <i>Constructive semigroups with apartness – a new algebraic theory</i>		Petar Marković: <i>Decent Mal'cev conditions which hold in all locally finite congruence meet-semidistributive varieties I</i>
		SESSION B4 (Chair: R. Pöschel)	
16:00 – 16:25	László Márki: <i>Morita equivalence of semigroups revisited: Firm semigroups</i>	Denis I. Saveliev: <i>On homotopies of universal algebras</i>	Samir Zahirović: <i>Decent Mal'cev conditions which hold in all locally finite congruence meet-semidistributive varieties II</i>
16:25 – 17:00	<i>Coffee break</i>		
17:00 – 17:25	Valdis Laan: <i>Fair semigroups</i>	Eugene Plotkin: <i>Action of endomorphism semigroups on definable sets</i>	Paolo Agliano: <i>A general algebraic motivation for loops</i>

19:30 – ... Conference dinner

The official programme of the Special Session "Semigroups" (dedicated to the retirement of Prof. Siniša Crvenković) is shaded in turquoise.

Saturday, 17 June – Morning

	Amphitheatre (ground floor)	Room (floor I)	Room (floor II)	Room (ground floor)
	SESSION A6 (Chair: M. Pech)			
9:00 – 9:55	Manuel Bodirsky: <i>A dichotomy for first-order reducts of unary structures</i>			
9:55 – 10:30	<i>Coffee break</i>			
		SESSION B5 (Chair: A. Tepavčević)	SESSION C5 (Chair: V. Gould)	SESSION D1 (Chair: M. Chiş)
10:30 – 10:55	Mike Behrisch: <i>Centralizing monoids with majority witnesses on four-element domains</i>	Thomas Vetterlein: <i>Cut-continuous pomonoids</i>	Peter Fenner: <i>The gossip monoid</i>	Codruţa Chiş: <i>On a combinatorial problem on directed graphs</i>
11:00 – 11:25	Edith Vargas-García: <i>Reconstructing the topology on monoids and polymorphism clones of reducts of the rationals</i>	Milan Petřík: <i>On the structure of finite commutative totally ordered monoids</i>	Dandan Yang: <i>Free idempotent generated semigroups: subsemigroups, retracts and maximal subgroups</i>	Bojan Bašić: <i>A problem on squares and its application to the square packing problem</i>
11:30 – 11:55	Christian Pech: <i>Reconstructing the topology of the elementary self-embedding monoids of countable saturated structures</i>	Helmut Länger: <i>Non-associative MV-algebras</i>	Akihiro Yamamura: <i>Rearrangement problem of two-dimensional arrays by prefix reversals</i>	George Metcalfe: <i>An algorithmic ordering condition for groups</i>

Saturday, 17 June – Afternoon

	Amphitheatre (ground floor)	Room (floor I)	Room (floor II)	Room (ground floor)
	SESSION A7 (Chair: M. Bodirsky)			
14:30 – 15:25	Dmitriy N. Zhuk: <i>The proof of CSP dichotomy conjecture</i>	SESSION B6 (Chair: L. Márki)		SESSION D2 (Chair: D. Stanovský)
15:30 – 15:55	Erhard Aichinger: <i>Mal'cev clones on finite sets</i>	Mihai Chiş: <i>Finite group presentations, van Kampen diagrams and a combinatorial problem</i>	SESSION C6 (Chair: M. B. Szendrei)	Boris Šobot: <i>Divisibility of ultrafilters</i>
16:00 – 16:25	Dragan Mašulović: <i>A Ramsey theorem for relational structures consisting of several partial orders</i>	Insa Cremer: <i>A representation theorem for reduced Rickart rings</i>	Miroslav Ćirić: <i>A semigroup-theoretical approach to the study of generalized inverses</i>	Martin Broušek: <i>Finite coverability property</i>
16:25 – 17:00	<i>Coffee break</i>			
17:00 – 17:25	Michael Kompatscher: <i>Linearization of certain non-trivial equations in oligomorphic clones</i>	Miroslav Korbelař: <i>Homomorphic images of subdirectly irreducible rings</i>	Marianne Johnson: <i>Identities in upper triangular tropical matrix semigroups and the bicyclic monoid</i>	Guillermo Badia: <i>On classes of algebras axiomatizable by a collection of anti-identities and disjunctive identities</i>
17:30 – 17:55	Bertalan Bodor: <i>Infinitely many reducts of homogeneous structures</i>	Sebastian Kreinecker: <i>Generating integer polynomials using function composition</i>	Munazza Naz: <i>The extensions of Green's relations on upper triangular tropical matrices</i>	Nikolay Polyakov: <i>The classification of symmetric conservative clones with a finite carrier and its applications in Computational Social Choice</i>
18:00 – 18:55	Andrei A. Bulatov: <i>The complexity of the Constraint Satisfaction Problem</i>			

19:30 – ... Round table devoted to the recently proposed algebraic solutions of the CSP dichotomy conjecture (Department of Mathematics and Informatics, Amphitheatre I) – moderated by R. Willard

The official programme of the Special Session "Clones and Relation Algebras" (dedicated to the 70th birthday of Prof. Reinhard Pöschel) is shaded in light green.

Sunday, 18 June – Morning

	Amphitheatre (ground floor)	Room (floor I)	Room (floor II)	Room (ground floor)
	SESSION A8 (Chair: E. Aichinger)			
8:45 – 9:40	David Stanovský: <i>Quandles and universal algebra</i>			
		SESSION B7 (Chair: E. K. Horváth)	SESSION C7 (Chair: M. Johnson)	SESSION D3 (Chair: P. Agliano)
9:45 – 10:10	Libor Barto: <i>Cores of oligomorphic clones revisited</i>	Jelena Ignjatović: <i>Systems of two-sided linear fuzzy relation equations and inequalities and their applications</i>	Itamar Stein: <i>The global dimension of the algebra of the monoid of all partial functions on an n-set</i>	Aleksandar Krapež: <i>Units in quasigroups</i>
10:10 – 10:45	<i>Coffee break</i>			
10:45 – 11:10	Zarathustra Brady: <i>Spirals</i>	Nada Damljanović: <i>Solving weakly linear inequalities for matrices over max-plus semiring and applications to automata theory</i>	Thomas Quinn-Gregson: <i>\aleph_0-categorical semigroups</i>	Marco Bonatto: <i>Taylor and Mal'tsev quandles</i>
11:15 – 11:40	Peter Mayr: <i>The complexity of quantified constraint satisfaction on monoids</i>	Tanya Plotkin: <i>Syntax versus semantics in knowledge bases</i>	Ivana Đurdev: <i>Sandwich semigroups in locally small categories</i>	Přemysl Jedlička: <i>Subdirectly irreducible medial quandles</i>
11:45 – 12:40	Ágnes Szendrei: <i>Cube terms and the Subpower Membership Problem</i>			
12:40 – 12:50	<i>Closing</i>			