

Organisation

Department of Mathematics and
Informatics, Faculty of Sciences,
University of Novi Sad, Serbia

<http://sites.dmi.uns.ac.rs/aaa90>

Invited speakers

Kira Adaricheva (Astana)
Keith A. Kearnes (Boulder)
Wiesław Kubiś (Prague & Kielce)
Miklós Maróti (Szeged)
Peter Mayr (Linz)
James D. Mitchell (St Andrews)

Scientific committee

Erhard Aichinger (Linz)
Igor Dolinka (Novi Sad, chair)
Robert D. Gray (Norwich)
Petar Marković (Novi Sad)
Dragan Mašulović (Novi Sad)
Reinhard Pöschel (Dresden)
Ágnes Szendrei (Boulder & Szeged)
Branimir Šešelja (Novi Sad)



AAA90

June 5-7, 2015
DMI, University of Novi Sad

The 90th Workshop on General Algebra
90. Arbeitstagung Allgemeine Algebra

PROGRAMME

Thursday, June 4

17:00 – 21:00 Registration (Reading Room, DMI – Mathematics & Informatics building, ground floor)

Friday, June 5 – Morning

8:15 – 9:15 Registration (Rectorate – The central building of UNS, ground floor)

	Amphitheatre	Room I	Room II
	SESSION P1 (Chair: I. Dolinka)		
9:30 – 9:45	<i>Opening ceremony</i>		
9:45 – 10:35	Keith A. Kearnes: <i>Problems on the frontier of commutator theory</i>		
10:40 – 11:15	<i>Coffee break</i>		
11:15 – 12:05	James D. Mitchell: <i>Chains of subsemigroups</i>		

Friday, June 5 – Afternoon

	Amphitheatre	Room I	Room II
	SESSION P2 (Chair: E. Aichinger)		
14:30 – 15:20	Peter Mayr: <i>Computations in direct powers</i>		
15:30 – 15:50	Robert D. Gray: <i>Crystal monoids</i>		
15:55 – 16:30	<i>Coffee break</i>		
	SESSION A1 (Chair: R. D. Gray)	SESSION B1 (Chair: N. Mudrinski)	SESSION C1 (Chair: K. Adaricheva)
16:30 – 16:50	Barnaby Martin: <i>Algebra and the complexity of quantified constraints</i>	Přemysl Jedlička: <i>Free medial quandles</i>	Claudia Mureşan: <i>Factor congruence lifting property</i>
17:00 – 17:20	Dimitriy Zhuk: <i>The size of generating sets of powers</i>	Agata Pilitowska: <i>Abelian quandles</i>	Laura Janina Schnüriger: <i>Admissible rules of (fragments of) R-Mingle</i>
17:30 – 17:50	Markus Steindl: <i>Deciding subpower membership for semigroups</i>	Eszter K. Horváth: <i>Some enumerative and lattice theoretic aspects of islands, and related investigations</i>	

19:30 – ... Conference dinner

Saturday, June 6 – Morning

	Amphitheatre	Room I	Room II
	SESSION P3 (Chair: R. Pöschel)		
9:00 – 9:50	Wieslaw Kubiś: <i>Fraïssé categories and their applications</i>		
10:00 – 10:20	Ágnes Szendrei: <i>Cube term blockers without finiteness</i>		
10:25 – 11:00	<i>Coffee break</i>		
	SESSION A2 (Chair: K. A. Kearnes)	SESSION B2 (Chair: W. Kubiś)	SESSION C2 (Chair: J. D. Mitchell)
11:00 – 11:20	Dimitriy Zhuk: <i>On the minimal arity of near-unanimity term operations for finite algebras</i>	Sergejs Solovjovs: <i>On the category of affine systems</i>	Thomas Vetterlein: <i>The geometry of positive commutative totally ordered monoids</i>
11:30 – 11:50	Alexandr Kazda: <i>Deciding the existence of a k-wnu operation in polynomial time</i>	Christian Pech: <i>Reconstructing the topology of polymorphism clones</i>	Jörg Koppitz: <i>Finitely generated subsemigroups of $T(X,Y)$</i>
12:00 – 12:20	Petar Marković: <i>Optimal strong Mal'cev conditions for congruence meet-semidistributivity in locally finite varieties</i>	Friedrich Martin Schneider: <i>Profinite algebras and polynomial boundedness</i>	Kittisak Tinpun: <i>Rank properties of transformation semigroups with restricted range</i>

Saturday, June 6 – Afternoon

	Amphitheatre	Room I	Room II
	SESSION P4 (Chair: Á. Szendrei)		
14:30 – 15:20	Kira Adaricheva: <i>Increasing the role of the D-basis as an implicational basis of choice in data analysis applications</i>		
15:30 – 15:50	Reinhard Pöschel: <i>Atoms and coatoms in the lattice of congruence lattices of algebras on a (finite) set</i>		
15:55 – 16:30	<i>Coffee break</i>		
	SESSION A3 (Chair: B. Šešelja)	SESSION B3 (Chair: M. Maróti)	SESSION C3 (Chair: A. Tepavčević)
16:30 – 16:50	Jan Paseka: <i>Tense orthocomplemented posets</i>	Dejan Delić: <i>Existential pebble games with rank</i>	Arsham Borumand Saeid: <i>Topics in Hilbert algebras</i>
17:00 – 17:20	Ivan Chajda: <i>Orthomodular posets can be organized as conditionally residuated structures</i>	Mike Behrisch: <i>CSP dichotomy for solving systems of equations on 3</i>	Marjan Kuchaki Rafsanjani: <i>Some connection between algebraic structures and block codes</i>
17:30 – 17:50	Miroslav Ploščica: <i>Critical points for congruence lattices</i>	Tom Hanika: <i>Forbidden permutation pattern CSPs in the stack-sortable case</i>	Jan Kühr: <i>On varietal joins of MV-algebras and some varieties</i>
18:00 – 18:20	Gábor Czédli: <i>The asymptotic number of planar, slim, semimodular lattice diagrams</i>	Bojan Bašić: <i>Absorption in semigroups and n-ary semigroups</i>	Petr Emanovský: <i>Quasivariety of pseudo BCI-algebras and its properties</i>

Sunday, June 7 – Morning

	Amphitheatre	Room I	Room II
	SESSION P5 (Chair: P. Marković)		
9:00 – 9:50	Miklós Maróti: <i>Quasiorder lattices of varieties</i>	SESSION B4 (Chair: R. Sz. Madarász)	
10:00 – 10:20	Helmut Länger: <i>Subdirectly irreducible commutative idempotent semirings</i>	Dara Phusanga: <i>Non-deterministic hypersubstitutions for algebraic systems</i>	
10:25 – 11:00	<i>Coffee break</i>		
	SESSION A4 (Chair: P. Mayr)		SESSION C4 (Chair: D. Mašulović)
11:00 – 11:20	Michai Chiş: <i>Some properties of autocommutator subgroups of 2-groups</i>	Boža Tasić: <i>On regular congruences of ordered semigroups</i>	Michał Stronkowski: <i>Extending the Blok-Esakia theorem</i>
11:30 – 11:50	Frederik Saxinger: <i>Compatible functions on groups</i>	Krisztina Ágó: <i>On generalized highly potential words</i>	Boris Šobot: <i>Divisibility in the Stone-Cech compactification</i>
12:00 – 12:20	Nebojša Mudrinski: <i>The length of terms</i>	Jakub Opršal: <i>A Birkhoff theorem for varieties defined by linear equations</i>	Aleksandar Pavlović: <i>Differences and similarities between local function and local closure function in ideal topological spaces</i>
12:30 – 12:50	Erhard Aichinger: <i>Independence of algebras</i>		
12:55 – 13:00	<i>Closing remarks</i>		