(final version, last update: (17:00) February 27, 2015)

AAA89 Conference Programme

Arbeitstagung Allgemeine Algebra — Workshop on General Algebra February 26 - March 1, 2015, Dresden University of Technology

Since 1971 the AAA Workshop on General Algebra (merged with the "Konferenz Algebra und Grenzgebiete" in 1991 and with the "Konferenz junger Algebraiker" in 1995) has been held semi-annually in Germany, its neighbouring countries and later also in other European countries. This 89th workshop is organized by the Dresden Institute of Algebra.

Special thanks go to Rebekka Balzer, Robert Barham, Ulrike Baumann, Daniel Borchmann, Francois Bossiere, Kathleen Gburek, Johannes Greiner, Tom Hanika, Gudrun Heinisch, Sebastian Liebscher, Marcello Mamino, Antoine Mottet, Antje Noack, Trung Van Pham, Ulrike Püschmann, Sven Reichard, Artem Revenko, Tobias Schlemmer, Stefan Schmidt, Anna Thurm, Christian Zschalig and Jens Zumbrägel for their organizational help.

The organizing committee

Manuel Bodirsky, Bernhard Ganter and Reinhard Pöschel

With Bernhard Ganter's retirement approaching in March, we have decided to organize a special session in honour of him on Saturday afternoon, Erhard Aichinger, Manuel Bodirsky and Reinhard Pöschel

In the final programme all chair persons shall be included. If you are selected as a chair person for some session, we apologize for not asking you in advance and kindly ask you to accept it or to inform the conference office. Thank you very much for your cooperation.

It is gratefully acknowledged that the workshop is financially supported by Deutsche Forschungsgemeinschaft (DFG)

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AAA89: Thursday, February 26

17⁰⁰ – 20³⁰ Get-together and Registration, conference building Willersbau C207

	AAA89: Friday, February 27 (final version, last update: (17:00) February 27, 2015)			
	The room C207 can be used for breaks and discussions, too			
	Lecture Hall B321	Lecture Hall A317	Lecture Hall C129	Lecture Hall C133
$8^{00} - 8^{50}$	Registration in room C207			
9^{00} – 9^{10}	opening			
	chair: Bodirsky , Manuel invited lecture			
010 1000	Truss, John			
9^{10} – 10^{00}	Definability properties of the monoid of endomorphisms of the rational numbers			
	coffee break (C207)			
	chair: Pech, Maja	chair: Kaarli, Kalle	chair: Tepavcevic, Andreja	
$10^{45} - 11^{00}$	Vargas García, Edith On the automatic homeomorphicity of $Pol(Q, \leq)$	Cirulis, Janis On relatively orthocomplemented normal bands	Krapez, Aleksandar Isotopy invariant quasigroup identities	
$11^{05} - 11^{20}$	Masulovic, Dragan A note on extreme amenability of automorphism groups of omega-categorical structures	Pervukhina, Tatiana On the pseudovariety generated by finite monoids satisfying R=H	Graczyńska, Ewa Transitive dependence vs regularity	This room may be used for discussions
$11^{25} - 11^{40}$	Leiderman, Arkady Density Character of Subgroups of Topological Groups	Šuličová, Miroslava On centralizers and Green's relations	Pilitowska, Agata Reductive medial quandles	
$11^{45} - 12^{00}$	-	Tinpun, Kittisak Rank and Relative Rank of the Finite Full Transformation Semigroup with Restricted Range	Solovjovs, Sergejs Categorical foundations of variety-based bornology	
	lunch break (registration: 13^{00} – 13^{40} room C207)			

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	Lecture Hall B321	Lecture Hall A317	Lecture Hall C129	Lecture Hall C133
	chair: Martin, Barnaby invited lecture			
$13^{45} - 14^{35}$	Barto, Libor Weighted clones			
	chair: Barto, Libor	chair: Márki, László	chair: Radeleczki, Sándor	
$14^{45} - 15^{00}$	Martin, Barnaby From Complexity to Algebra: New PGP-EGP gaps for digraph classes	Jende, Alexander Representation of semigroups using power identity inclusions	Raievska, Iryna On additive groups of finite local nearrings	This room may be used for discussions
$15^{05} - 15^{20}$	Opršal, Jakub Is cube term a prime Mal'cev condition?	Steindl, Markus Subpower Membership for Semigroups	Raievska, Maryna On multiplicative groups of finite local nearrings	
-	coffee break (C207)			
	chair: Pech, Christian	chair: Seselja, Branimir	chair: Chajda, Ivan	
$16^{05} - 16^{20}$	Liskovets, Valery Multiplicative arithmetic functions in the enumeration of non-isomorphic maps and non-equivalent surface coverings	Pita Costa, Joao A topos of non-commutative lattices	Jakubíková-Studenovská, Danica Convexities of monounary algebras	This room may be used for discussions
$16^{25} - 16^{40}$	Ziv-Av, Matan Enumeration of S-rings over small groups	Paseka, Jan Tense operators on distributive lattices	Halušková, Emília Monounary algebras with easy direct limits	
	chair: Mayr, Peter	chair: Revenko, Artem	chair: Schlemmer, Tobias	
$16^{50} - 17^{05}$	Kepczyk, Marek On algebras which are sums of two PI subalgebras	Shcherbacov, Victor On generalizations of Markovski cryptoalgorithm	Márki, László Matrix representations of finitely generated Grassmann algebras	This room may be used for discussions
$17^{10} - 17^{25}$	Filipowicz-Chomko, Marzena The structure and properties of selected types of filial algebras.	Shtrakov, Slavcho Separable sets and ODDs in finite functions	Zumbrägel, Jens Notes on Simpleness of Path Algebras over Semirings	
$17^{30} - 17^{45}$	Länger, Helmut States on basic algebras	Aladova, Elena and Plotkin, Tanya On isomorphism of knowledge bases	Lazić, Marijana On terms in 3-supernilpotent groups with an additional unary operation	
$17^{50} - 18^{05}$	Rachunek, Jiri Operators on basic algebras	Plotkin, Eugene Similarity of geometries over algebras	Pavlik, Jan Metrics with Values in Ordered Monoids	
19^{00} – 22	Conference dinner in the building "Alte Mensa" (Main entrance, Mommsenstrasse 13)			

	AAA89: Saturday, February 28 (final version, last update: (17:00) February 27, 2015) The room C207 can be used for breaks and discussions, too				
	Lecture Hall B321	Lecture Hall A317	Lecture Hall C129	Lecture Hall C133	
	chair: Behrisch, Mike invited lecture				
9^{10} – 10^{00}	Salzer, Gernot				
9 10	Why Computer Science Can't Get Enough of Clones				
	coffee break (C207)				
	chair: Aichinger, Erhard	chair: Ganter, Bernhard	chair: Barham, Robert	chair: Graczyńska, Ewa	
$10^{45} - 11^{00}$	Kolařík, Miroslav Semilattices with section switching involutions	Chajda, Ivan When does a semiring become a residuated lattice?	Cremer, Insa On the order structure of left-star ordered Rickart *-rings	Gyenizse, Gergő Compatible quasi-orderings of finite algebras	
$11^{05} - 11^{20}$	Zamojska-Dzienio, Anna On complexity of quasivariety lattices	Radeleczki, Sándor Meet-subdirect representations of finite lat- tices	Kozłowski, Kamil On rings whose nilpotent elements form a subring	Lekkoksung, Nareupanat Non-Deterministic Linear Hypersubtitutions	
$11^{25} - 11^{40}$	Kaarli, Kalle On categorical equivalence of finite rings	Veres, Laura Classification trees and box extents	Nurakunov, Anvar Weak extension property for locally finite quasivarieties	Manyuen, Chaowat Hyperidentities in Graph Variety Generated by $((xx)((yx)w))((zx)(zw))$ Graph	
$11^{45} - 12^{00}$	Ploscica, Miroslav Critical points for congruence lattices	Sacarea, Christian Reachability in triadic concept sets	Hanika, Tom Forbidden permutation patterns and constraint satisfaction problems	Korbelář, Miroslav Notes on sets of lattice points associated to commutative semirings	
$12^{05} - 12^{20}$	Waldhauser, Tamás Graphs and partial clones	Revenko, Artem Automatic Exploration of Parametrically Closed Classes of Functions	-	-	

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	Special session dedicated to Bernhard Ganter (on occasion of his retirement)			
	chair: Pöschel, Reinhard			
$13^{45} - 14^{00}$	Kwuida, Leonard Valuations on finite lattices			
$14^{05} - 14^{20}$	Rudolph, Sebastian Complexity of Inclusion/Exclusion Constraints in Formal Concept Analysis			
$14^{25} - 14^{35}$	Pöschel, Reinhard GANTER MATHEMATICUS			
14^{45} 18^{00}	Excursion to Erlebnisland Mathematik (Mathematics Adventureland)*			
	guided by Bernhard Ganter			
15^{15}	meeting for excursion at entrance of Erlebnisland Mathematik (see below)			

^{*} There will be a special bus to Mathematics Adventureland (Erlebnisland Mathematik), please mention at registration if you want to participate.

You can reach Erlebnisland Mathematik also by public transport, Bus No. 61 (direction Weißig or Fernsehturm), from bus stop TU (Fritz-Förster-Platz) until bus stop Pohlandplatz (approximately 20 min), then 3 min walking, see the LINK here, (trams No. 10 and 4 also stop at Pohlandplatz).

Meeting for excursion at the entrance of the building **Technische Sammlungen Dresden** (where Mathematics Adventureland is located): **15:15** h

address: Erlebnisland Mathematik — Technische Sammlungen Dresden — Junghansstraße 1-3 — 01277 Dresden

some special advices for the evening:

Theater:

Schauspielhaus: Schöne neue Welt 19:30 Kleines Haus 1: Supergute Tage 19:30

link see AAA89 website

Opera (Semperoper):
Giulio Cesare in Egitto / Julius Cäsar in Ägypten 19:00
link see AAA89 website

Church Frauenkirche:

BACHzyklus, XII: Ich ruf zu dir, Herr Jesu Christ 20:00

link see AAA89 website

	AAA89: Sunday, March 1 (final version, last update: (17:00) February 27, 2015)			
	The room C207 can be used for breaks and discussions, too			
	Lecture Hall B321	Lecture Hall A317	Lecture Hall C129	Room C207
	chair: Masulovic, Dragan	chair: Cirulis, Janis	chair: ???, ???	
9^{10} – 9^{25}	Mayr, Peter Making congruences into algebras	Skokov, Dmitry Lower-modular elements of lattices of epigroup varieties	-	Poster session (C207):
$9^{30} - 9^{45}$	Zhuk, Dmitriy On key relations with full pattern	Schlemmer, Tobias Representing group extensions as binary relation orbifolds	-	A. Sultanov, E. Aladova, O. Monakhova Linear algebras with special group of automorphisms
$9^{50} - 10^{05}$	Aichinger, Erhard Finitely generated clones of congruence preserving functions	Tepavcevic, Andreja Join-between planar lattices and slim lattices	-	
$10^{10} - 10^{25}$	Behrisch, Mike On the cardinality of the lattice of C-clones	Seselja, Branimir Omega-lattice	-	
	coffee break (C207)			
	chair: Truss, John invited lecture			
$11^{05} - 11^{55}$	Pech, Maja			
	Universal homogeneous morphisms and their applications			
11^{55} – 12^{00}	closing			