

(final version, June 10, 2012)

AAA84

Conference Programme

Arbeitstagung Allgemeine Algebra — Workshop on General Algebra
June 7–10, 2012, 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) is being held semi-annually in Germany, its neighbouring countries and later also in other European countries. This 84th workshop is organized by the Dresden Institute of Algebra.

Special thanks go to Ulrike Baumann, Mike Behrisch, Daniel Borchmann, Dietmar Flemming, Kathleen Gburek, Cynthia Glodeanu, Gudrun Heinisch, Sebastian Kerkhoff, Daniel Krähmann, Sebastian Liebscher, Antje Noack, Ulrike Püschmann, Artem Revenko, Sylva Roßberg, Tobias Schlemmer, Stefan Schmidt, Friedrich Martin Schneider, Christian Zschalig, for their organizational work.

The organizing committee

Bernhard Ganter, Reinhard Pöschel

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AAA84: Thursday, June 7

17 ⁰⁰ – 20 ³⁰	Get-together and Registration, conference building Willersbau C207 (there will be something to eat and to drink)
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AAA84: Friday, June 8 (final version, June 10, 2012)

The room C207 can be used for breaks and discussions, too

	Lecture Hall A317	Lecture Hall C129	Lecture Hall A120	Seminar Room C206
8 ⁰⁰ –8 ⁵⁰	Registration in room C207			
9 ⁰⁰ –9 ¹⁰	opening (by Dean)			
9 ¹⁰ –10 ⁰⁰	<p>chair: <u>Pöschel, Reinhard</u> invited lecture</p> <p>Volkov, Mikhail A Quest for Short Identities - Which questions does automata theory ask algebra over and over again (but gets no answers so far)?</p>			
	coffee break (C207)			
10 ⁴⁵ –11 ⁰⁰	<p>chair: <u>Pálffy, Péter P.</u></p> <p>Ploscica, Miroslav Congruence-maximal varieties</p>	<p>chair: <u>Márki, László</u></p> <p>Auinger, Karl The finite basis problem for matrix semi-groups with involution</p>	<p>chair: <u>Aichinger, Erhard</u></p> <p>Pilz, Günter Infinite planar near-rings</p>	
11 ⁰⁵ –11 ²⁰	<p>Mudrinski, Nebojsa Are all finite congruence uniform Mal'cev algebras expanded groups ?</p>	<p>Lehtonen, Erkko Generalized entropy in algebras with neutral element and in inverse semigroups</p>	<p>Davidov, Sergey Nucleus of Linear Invertible Algebras</p>	
11 ²⁵ –11 ⁴⁰	<p>Dormán, Miklós Finite monoidal intervals</p>	<p>Dimitrova, Ilinka On the monoid of all partial order-preserving extensive transformations</p>	<p>Hrbek, Michal Modules with a minimal generating set</p>	
11 ⁴⁵ –12 ⁰⁰	<p>Kerkhoff, Sebastian On how duality theory enables us to use elementary topology for the benefit of clone theory</p>	<p>Pervukhina, Tatiana Structure of finite monoids satisfying $R = H$</p>	<p>Ruzicka, Pavel Abelian groups with a minimal generating set</p>	
	lunch break (registration: 13 ⁰⁰ –13 ⁴⁰ room C207)			

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	Lecture Hall A317	Lecture Hall C129	Lecture Hall A120	Seminar Room C206
13 ⁴⁵ –14 ³⁵	<p style="text-align: right; margin-right: 20px;"><u>chair: Szendrei, Agnes</u></p> <p>invited lecture</p> <p>Masulovic, Dragan Classifying homomorphism-homogeneous structures</p>			
14 ⁴⁵ –15 ⁰⁰	<p style="text-align: right; margin-right: 20px;"><u>chair: Eigenthaler, Günther</u></p> <p>Jakubíková-Studenovská, Danica On formations of finite monounary algebras</p>	-	<p style="text-align: right; margin-right: 20px;"><u>chair: Koppitz, Jörg</u></p> <p>Marczak, Adam Some remarks on Cantor identities</p>	This room may be used for discussions
15 ⁰⁵ –15 ²⁰	<p>Chajda, Ivan Groupoids assigned to relational systems</p>	<p>Behrisch, Mike On a characterisation of categorical equivalence of finite semigroups</p>	<p style="text-align: right; margin-right: 20px;"><u>chair: Madarasz, Rozalia</u></p> <p>Mučka, Anna Homomorphic images of subdirectly irreducible many-sorted algebras</p>	
coffee break (C207)				
16 ⁰⁵ –16 ²⁰	<p style="text-align: right; margin-right: 20px;"><u>chair: Pinsker, Michael</u></p> <p>Paseka, Jan On realization of generalized effect algebras</p>	<p style="text-align: right; margin-right: 20px;"><u>chair: Czédli, Gábor</u></p> <p>Kondo, Michiro States on bounded commutative residuated lattices</p>	<p style="text-align: right; margin-right: 20px;"><u>chair: Liskovets, Valery</u></p> <p>Krapez, Aleksandar Explicit formulas for solutions of quadratic quasigroup equations</p>	This room may be used for discussions
16 ²⁵ –16 ⁴⁰	<p>Hyčko, Marek Pre pseudo-effect algebras - generalizations and finite models</p>	<p>Nurakunov, Anvar Notice on classes closed under subdirect products</p>	<p>Plotkin, Tanya Skeletons of knowledge bases</p>	
16 ⁵⁰ –17 ⁰⁵	<p style="text-align: right; margin-right: 20px;"><u>chair: Ploscica, Miroslav</u></p> <p>Botur, Michal State Morphism Algebra - General Approach</p>	<p style="text-align: right; margin-right: 20px;"><u>chair: Plotkin, Eugene</u></p> <p>Radeleccki, Sándor Tolerance lattice of tolerance factors</p>	<p style="text-align: right; margin-right: 20px;"><u>chair: Pech, Christian</u></p> <p>Movsisyan, Yuri Hyperidentities of the variety of De Morgan algebras</p>	This room may be used for discussions
17 ¹⁰ –17 ²⁵	<p>Kühr, Jan Triple construction of BCK-algebras</p>	<p>Guo, Lankun A representation of completely distributive algebraic lattices by formal contexts</p>	<p>Muzychuk, Mikhail A solution of an equivalence problem for semisimple cyclic codes</p>	
17 ³⁰ –17 ⁴⁵	<p>Halaš, Radomír Non-associative BL-algebras and quantum structures</p>	<p>Sacarea, Christian On some categorical aspects of topological and pseudometric contexts</p>	-	
17 ⁵⁰ –18 ⁰⁵	-	-	-	
19 ⁰⁰ –22...	Conference dinner in the building “Alte Mensa” (Main entrance, Mommsenstrasse 13)			

Notice that two lecture halls changed today !!!

AAA84: Saturday, June 9 (final version, June 10, 2012)

	Lecture Hall B321	Lecture Hall C129	Lecture Hall C133	Seminar Room C206
	chair: <u>Müller, Winfried</u>			
$9^{10}-10^{00}$	invited lecture Kearnes, Keith Dualizable algebras in congruence modular varieties			
coffee break (C207)				
	chair: <u>Chajda, Ivan</u>		chair: <u>Muzychuk, Mikhail</u>	
$10^{45}-11^{00}$	Márki, László Strong Morita equivalence for semigroups with local units	Pálfy, Péter P. New results on CI-groups	Grasegger, Georg An explicit polynomial equivalence of the rings Z_{p^2} and $Z_p[t]/(t^2)$	This room may be used for discussions
$11^{05}-11^{20}$	Koppitz, Jörg Coregular Semigroups of special types	Klin, Mikhail Construction of infinite families of non-Schurian association schemes of order $2p^2$, p an odd prime	Horváth, Gábor Polynomial equivalence of the rings Z_{p^n} and $Z_p[t]/(t^n)$?	
$11^{25}-11^{40}$	Shtrakov, Slavcho Stable varieties of semigroups	Reichard, Sven Constructive classification of coherent configurations	Romanowska, Anna Classifying the intervals of the line $Z[1/p]$	
$11^{45}-12^{00}$	Vincekova, Elena A note on abelian extensions of partial monoids	Kovács, István Characterization of cyclic Schur groups	Abutalipova, Shynar The subgroups of tame automorphisms of the automorphism groups of free metabelian Lie algebras of rank greater than or equal to 4	
lunch break				

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	Lecture Hall B321	Lecture Hall C129	Lecture Hall C133	Seminar Room C206
13 ⁴⁵ –14 ³⁵	<p style="text-align: right; margin-right: 20px;"><u>chair: Pilz, Günter</u></p> <p>invited lecture</p> <p>Aichinger, Erhard Polynomial completeness properties of algebras with Mal'cev terms</p>			
14 ⁴⁵ –15 ⁰⁰	<p style="text-align: right; margin-right: 20px;"><u>chair: Lehtonen, Erkki</u></p> <p>Vargas Garcia, Edith M. Which maximal clones can be maximal <i>C</i>-clones</p>	<p style="text-align: right; margin-right: 20px;"><u>chair: Paseka, Jan</u></p> <p>Pelea, Cosmin Multialgebras, factor multialgebras and universal algebras</p>	<p style="text-align: right; margin-right: 20px;"><u>chair: Jakubíková-Studenovská, Danica</u></p> <p>Kaleta, Joanna Some two-generated directly indecomposable entropic quasigroups with quasi-identity</p>	This room may be used for discussions
15 ⁰⁵ –15 ²⁰	<p>Supaporn, Worakrit Category Equivalences of $Pol_A Q$</p>	<p>Pinus, Alexandr Algebraic Geometry of Universal Algebras, Infinite Quasiidentities and Implicit Operations on Universal Algebras</p>	<p>Madarasz, Rozalia Retraction closure property and entropicity</p>	
coffee break (C207)				
16 ⁰⁰ –16 ¹⁵	<p style="text-align: right; margin-right: 20px;"><u>chair: Cirulis, Janis</u></p> <p>Zamojska-Dzienio, Anna On idempotent factors of power algebras</p>	<p style="text-align: right; margin-right: 20px;"><u>chair: Plotkin, Tanya</u></p> <p>Plotkin, Eugene Equations over algebras: how the logical geometry appears (Part I)</p>	<p style="text-align: right; margin-right: 20px;"><u>chair: Vargas Garcia, Edith M.</u></p> <p>Anantpinitwatna, Apinant Special <i>m</i>-hyperidentities in $(x(yz))z$ with loop graph varieties of type (2,0)</p>	This room may be used for discussions
16 ²⁰ –16 ³⁵	<p>Ameri, Reza <i>P</i>-fuzzy Congruences of Multialgebras</p>	<p>Plotkin, Eugene Equations over algebras: how the logical geometry appears (Part II)</p>	<p>Anantpinitwatna, Amporn The classes of triregular leftmost without loop and reverse arc graph varieties of type (2,0)</p>	
16 ⁴⁰ –16 ⁵⁵	-	<p>Ali, Majid Multiplication modules and Flat modules</p>	<p>Goracinova-Ilieva, Lidija Mendelsohn designs arising from quasigroups of varieties with the property (2,q)</p>	

some special advices for the evening:

Theater:

SCHAUSPIELHAUS: *Meister und Margarita* **19:30**

KLEINES HAUS: *Hedda Gabler* **18:00**

20:45 (inside and at terrace): Football European cup - broadcast live (Germany : Portugal)

link see AAA84 web site

Opera (SEMPEROPER):

L'elisir d'amor (Der Liebestrank) **19:00**

link see AAA84 web site

Church FRAUENKIRCHE:

Vokal international: Vesselina Kasarova **20:00**

PHILHARMONIE: 9. Zyklus-Konzert **19:30**

EUROPEAN CUP: live broadcast on campus of TU Dresden

AAA84: Sunday, June 10 (final version, June 10, 2012)

	Lecture Hall B321	Lecture Hall C129	Lecture Hall C133	Seminar Room C206
9^{10} – 9^{25}	<u>chair: Romanowska, Anna</u> Pilitowska, Agata Commuting operations in aggregation	<u>chair: Radeleczki, Sándor</u> Pinsker, Michael Lattices of subgroups of the symmetric group	<u>chair: Klin, Mikhail</u> Liskovets, Valery Balanced modular edge labellings of graphs, systems of linear congruences and chromatic polynomials	This room may be used for discussions
9^{30} – 9^{45}	Pech, Maja The age of homomorphism-homogeneous relational structures	Czédli, Gábor Semimodular lattices determined by permutations	Kisielewicz, Andrzej Progress in the Černý Conjecture	
9^{50} – 10^{05}	Pech, Christian From ages to generic structures - A journey through different types of homogeneity	Cirulis, Janis On quasi-orthomodular posets	Kazda, Alexandr Polymorphisms of conservative digraphs	
10^{10} – 10^{25}	Grech, Mariusz Definability of permutative varieties	Pongrácz, András Structures definable from the generic partial order	Krähmann, Daniel When does a sequence of finite groups yield an expander-sequence?	
coffee break (C207)				
11^{05} – 11^{55}	<u>chair: Volkov, Mikhail</u> invited lecture Turhan, Anni-Yasmin Reasoning in Description Logics – the case of \mathcal{EL}			
11^{55} – 12^{00}	closing			