

**20th Conference for Young Algebraists,
69th Arbeitstagung Allgemeine Algebra
Potsdam, March 18 - 20, 2005
PROGRAMME**

Friday, March 18, 2005, Conference Office in Foyer 0.61

09.00-09.15	H 0.59 Opening Ceremony:	
	Dean of the Faculty of Science	
	Head of the Institute of Mathematics	
09.15-10.15	M. Steinby: Varieties of Recognizable Subsets	
10.15-10.45	Coffee Break in 0.61	
	H 0.59	H 0.58
10.45-11.10	Chair: R. Pöschel J. Buls: Simulation and Universal Machines	Chair: B. Pibaljomme Sr. Arworn: An Algorithm How to Determine the Numbers of Endomorphisms on Paths
11.15-11.40	I. Mäurer: Rational and Recognizable Picture Series	S. Panma: On Transitive Cayley Graphs of Clifford Semigroups
11.45-12.10	Sl. Shtrakov: Coloured Terms and Multihyper-substitutions	A. Chantasartramee: Forests in Connected Cubic Graphs
12.10-13.00	Break	
13.00-13.55	H 0.59 M. Ito: Automata and Groups	
14.00-14.25	Chair: K. Glazek I. Chajda: On Algebraic Interior Systems	Chair: Sr. Arworn N. Pabhapote: Generalized Landau and Brauer-Rademacher Identities
14.30-14.55	J. Klimes: Complete Multilattices	P. Ruengsinsub: Ramanujan Sums via Generalized Möbius Functions and Applications
15.00-15.25	P. Emanovsky: Bounded Lattices with Antitone Involutions and Properties of MV-Algebras	H. Trappmann: Tree-Based Numbers: Higher Arithmetic Operations and Division Trees
15.30-15.55	R. Halaš: Extensions of Ideals in Posets	I. Dimitrova: On the Maximal Subsemigroups of Some Finite Transformation Semigroup
15.55-16.30	Coffee Break	
16.30-17.20	H 0.59 M. Droste: Weighted Automata and Quantitative Logics	
17.25-17.50	Chair: I. Chajda D. Jabukiková-Studenovská: Globals of Unary Algebras	Chair: Ch. Ratanprasert D. Schweigert: Ideal Congruences of Some Relation Systems
17.55-18.20	J. Pócs: Test Elements and the Retract Theorem for Monounary Algebras	R. Srithus: Tame Order-primal Algebras
18.25-18.50	J. Kühr: Commutative Pseudo BCK-algebras	D. Stanovsky: Homomorphic Images of Subdirectly Irreducible Algebras
19.00	Conference Dinner	

Saturday, March 19, 2005, Conference Office in Foyer 0.61

09.00-10.00	H 0.59 Ch. Holland: Large Varieties of Lattice-Ordered Groups and MV-Algebras	
10.00-10.30	Coffee Break	
	H 0.59	H 0.58
10.30-10.55	Chair: G. Eigenthaler J. Cirulis: A Triple Construction of Skew Nearlattices	Chair: A. Rhemtulla N. A. Nachev: Nilpotent Elements and Idempotents in Commutative Group Rings
11.00-11.25	E. Graczyńska: M-hyperquasi-varieties	D. Artamonov: Dimension of Topological Spaces and Local Homologies
11.30-11.55	B. Pibaljomme: M-solid Pseudovarieties and Galois Connections	A. Gasparyan: Matrix Theory of Symmetric Functions
12.00-13.00	Break	
13.00-14.00	H 0.59 A. Rhemtulla: Ordered Groups	
14.00-14.25	Chair: Ch. Holland Ch. Ratanaprasert: Unary Operations with long Pre-periods	Chair: M. Droste E. Shirikov: Two-Generated Graded Algebras
14.30-14.55	P. Jampachon: N-full Varieties and Clones of N-full Terms	S. Solovjovs: Tensor Product in the Category JCPos
15.00-15.25	S. Busaman: Strong Regular N-full Varieties of Partial Algebras	P. B. Zhdanovich: IA-Automorphisms of the Free Solvable S_p -permutable Algebra of a finite Rank
15.30-16.00	Coffee Break	
16.00-17.00	H 0.59 M. Kilp: On Flatness Properties of S-posets	
17.00-17.25	Chair: M. Ito J. Sanwong: Forcing Linearity Numbers for Multiplication Modules	Chair: H.-J. Vogel K.V. Krishna: Near-Semirings in Generalized Sequential machines
17.30-17.55	V. A. Artamonov: Actions of Finite Quantum Groups on Quantum Polynomials	C. Lele: Category of Fuzzy BCK- Algebras
18.00-18.25	H. Machida: Essentially Minimal Clones-Idea and Method	A. Madanshekar: On the Category of Hypermodules
18.30-18.55	R. Butkote: Characterization of Clones by Hyperidentities	M. Hyčko: Interval sublattices of BL-algebras
19.00-19.25	F. Börner: Galois closed sets of strongly invariant relations	S. Chotchaisthit: When is a quasi-p-injective module continuous?

Sunday, March 20, 2005, Conference Office in Foyer 0.61

08.30-09.20	H 0.59 A. Pinus: On the Scales of Computability Potentials of Finite Algebras-Results and Problems	
09.20-09.50	Coffee Break	
	H 0.59	H 0.58
09.50-10.15	Chair: V. A. Artamonov E. Aichinger: Affine Completeness in Expanded Groups	Chair: SI. Shtrakov J.-P. Mavoungu: Exactness properties of an endofunctor in the categories of coalgebras
10.20-10.45	V. Kuchmei: Order Affine Completeness of Lattices with Boolean Congruence Lattices	H. Reppe: N-distributivity in Formal Concept Analysis
10.50-11.15	J. Forstner: On Irreducible and Solvable Polynomials	A. Iranmanesh: A Characterization of PSU(29,q)
11.20-11.45	M. Kapl: Local Polynomial Functions on the Ring of Integers	M. Oftadeh: First and Second Analytic Derivatives of Molecular Integrals for Calculation of Energy Components Using Spherical Gaussian Orbitals
11.50-12.15	P. Glubudom: Power Hypersubstitutions	M. H. Kozani: Symmetry Properties of Tetraammine Platinum (II) with C_{2v} and C_{4v} Point Groups
12.15-12.45	H 0.59: A. Chwastyk: K. Głazek: Q-independent Subsets in Stone Algebras and Double Stone Algebras Closing remarks: R. Pöschel	