Programme of the
77. Arbeitstagung Allgemeine Algebra,
24. Konferenz für Junge Algebraiker,
University of Potsdam,
March 20 − 22, 2009

Friday, March 20		
8:00	FOYER *Registration*	
	Room 0.58 CHAIR: K. DENECKE		
9:30	**Prof. Dr. P. O'Brien, Vice Dean** **Prof. Dr. Bär, Vice President of the German Association of Mathematicians (DMV)** *Opening of the Conference*		
9:45 - 10:35	**M. Volkov** *Interpreting Graphs in 0-Simple Semigroups with Involution with Applications to Computational Complexity and the Finite Basis Problem*		
	Room 0.58 CHAIR: R. PÖSCHEL	Room 0.59 CHAIR: M. VOLKOV	Room 0.64 CHAIR: N. PABHAPOTE
10:45 - 11:05	E. LEHTONEN *On the Finite Index Property of Clones*	T. CHANGPHAS *On Semigroups of Regular Hypersubstitutions*	AMP. ANANTPINIWATNA *Properties of $(x(yz))z$ With Loop Graph Varieties of Type $(2,0)$*
11:10 - 11:30	R. BUTKOTE *Prime n-Clones and the Representation of $O^n(A)$ as a Sum of Prime n-Clones*	K. P. SHUM *On Generalized Green's Relations on Semigroups*	A. ANANTPINIWATNA *Special M-hyperidentities in Biregular Leftmost Graph Varieties of Type $(2,0)$*
11:30 - 12:05	Break		
	Room 0.58 CHAIR: R. PÖSCHEL	Room 0.59 CHAIR: M. VOLKOV	Room 0.64 CHAIR: N. PABHAPOTE
12:05 - 12:25	P. JASIONOWSKI *Symmetry Groups of Boolean Functions*	W. PUNINAGOOL *Green's Relations on $Hyp_G(2)$*	A. CHANTASARTRASMEE *The Vertex Arboricity of Regular Graphs*
12:30 - 12:50	H. MACHIDA *Some Endoprimal Monoids over a Three-Element Set*	I. DIMITROVA *The Maximal Subsemigroups of the Semigroup of all Monotone Partial Injections*	CH. UIYYASATHIAN *Clique Coverings of Glued Graphs at Complete Clones*
12:50 - 14:15	Break		
	Room 0.58 CHAIR: R. WILLE		
14:15 - 15:05	**R. Goebel** *Generalized E-Rings*		
	Room 0.58 CHAIR: H. MACHIDA	Room 0.59 CHAIR: J. OKNINSKI	Room 0.64 CHAIR: V. SUSHCHANSKI
15:15 - 15:35	J. KOPPITZ *Preclones*	P. GLUBUDOM *Regular Elements and Green's Relations on Languages of Generalized n-ary Terms*	A. WANICHSOMBAT *Completely Regular Endomorphisms of Split Graphs*
15:40 - 16:00	E. VARGAS *Clausal Constraint Relations and C-clones*	W. HEMVONG *Regularity of Weak Projection Hypersubstitutions I*	B. SCUBLICS *Lattice Identities and Colored Graphs Connected by Test Lattices*
16:05 - 16:25	S. LEERATANAVALEE *The Order of Generalized Hypersubstitutions of Type (3)*	E. G. KARPUZ *The Word and Generalized Word Problem for Semigroups Under Wreath Products*	E. HORVÁTH *Some New Aspects of Islands*
16:30 - 16:50	S. LEKKOKSUNG *Hypersubstitutions of Cloneτ*	B. PIBALJOMMEE *Locally Finite M-Solid Varieties of Semigroups*	V. YAROSHEVICH *Maps Which are Concordant with Binary Relations*
16:50 - 17.25	Break		
	Room 0.58 CHAIR: R. PÖSCHEL		
17:30	**Prof. Dr. R. Pöschel, Prof. Dr. H.-J. Vogel**		
18:30	**A Surprise!**		

Saturday, March 21

9:00 - 9:50	Room 0.58 CHAIR: R. WILLE **M. Droste** *Random Constructions Imply Symmetry*		
10:05 - 10:25	Room 0.58 CHAIR: P. GLUBUDOM R. WILLE *Human Being and Mathematics– Logical and Mathematical Thinking*	Room 0.59 CHAIR: H. HOUNNON A. BIER *On Verbal Subgroups of Finitely Generated Nilpotent Groups*	Room 0.64 CHAIR: T. PLOTKINA G. EIGENTHALER *De Morgan Quasirings and De Morgan Algebras*
10:30 - 10:50	I. CHAJDA *Discriminator Order Algebras*	B. OLIYNUK *On Representations of Permutation Groups as Isometry Groups of Finite Metric Spaces*	J. KÜHR *On Prime Deductive Systems in Pseudo-BCK-Algebras*
10:50 - 11:20	Break		
11:20 - 11:40	P. GILIBERT *Critical Points of Pairs of Varieties*	S. WORAWISET *Idempotent-Closed Endomorphism Monoids of Strong Semilattices of Semigroups*	P. KOLESNIKOV *On the Classification of Simple Finite Jordan Pseudo-Algebras*
11:45 - 12:05	E. GRACZYŃSKA *Dependences Spaces*	C. KOPACINAR *Some Results on Free-by-Cyclic Groups*	T. PLOTKIN *Automorphic Equivalence of Multi-Models Versus Graphs*
12:10 - 12:30	K. KAARLI *Monoids of Bicongruences of Minimal Algebras Generating Arithmetical Varieties*	N. PABHAPOTE *Group Divisible Designs with two Associate Classes and $\lambda_2 = 1$*	M. KOLARIK *Commutative Directoids with Sectionally Antitone Bijections*
12:30 - 14:00	Break		
14:00 - 14:50	Room 0.58 CHAIR: J. CIRULIS **M. Steinby** *Syntactic Algebras of Formal Series Over a Field in General Algebras*		
15:00 - 15:20	Room 0.58 CHAIR: M. DROSTE B. PLOTKIN *Unityped Algebras*	Room 0.59 CHAIR: R. GOEBEL F. WEHRUNG *Representation of Graph Monoids by Regular Rings*	Room 0.64 CHAIR: S. LEERATANAVALEE M. BOTUR *Basic Algebras with vt-Operators*
15:25 - 15:45	J. CIRULIS *Freeoids*	T. MUSUNTHAI	E. VINCEKOVÁ *Congruences and Ideals in Lattice Effect Algebras as Basic Algebras*
15:50 - 16:10	SL. SHTRAKOV *On the Essential Arity Gap of Finite-valued Functions*	J. FARLEY *Vaghan Pratt's $ 2,000 Crossword Puzzle*	A. R. MOGHADDAMFAR *The Fibonacci and Lucas Subsequences as Principal Minors of Quasi-Pascal Matrices*
16:10 - 16:40	Break		

	Room 0.58 CHAIR: J. KOPPITZ	Room 0.59 CHAIR: G. EIGENTHALER	
16:45 - 17:05	G. RICCI *Flocks in Universal and Boolean Algebras*	K. MECAM *Endomorphal Multipication Modules*	
17:10 - 17:30	F. M. SCHNEIDER *Weak Homomorphisms of F-Algebras*	A. SLUPIK *Diameter of Sylow p-Subgroups of the Symmetric Group Sp^2*	
17:35 - 17:55	R. HALAS *On Very True Operators on Pocrims*	A. SUDPRASERT *Endomorphism Rings of Quasi-rp-Injective and Quasi-lp-Injective Modules*	
18:00 - 18:25	D. PHUSANGA *Hyperformulas in Algebraic Systems*	N. SARASIT *Products of Tree Languages*	
18:30	**Conference Dinner (Cafeteria at Neues Palais)**		

Sunday, March 22			

	Room 0.58 CHAIR: B. PLOTKIN		
9:00 - 9:50	**J. Okninski** *Finitely Presented Monomial Algebras*		

	Room 0.58 CHAIR: K. SAENGSURA	Room 0.59 CHAIR: R. BUTKOTE	
10:05 - 10:25	K. SCHÖLZEL *Uniqueness of Minimal Coverings of Maximal Partial Clones*	A. PULGARIN *Lattice-Ordered Algebras of Real Continuous Functions*	
10:30 - 10.50	V. MOLCHANOV *On Automorphism Groups of Universal Hypergraphical Automata*	M. HYCKO *Bounded Boolean Powers of Pseudo-MV-Algebras and Related Structures*	

10:50 - 11:20	Break		

	Room 0.58 CHAIR: D.PHUSANGA	Room 0.59 CHAIR: N. SARASIT	
11:20 - 11:40	V. SUSHCHANSKY *Automorphism Groups of Diagonal Direct Limits of Hamming Spaces*	T. BOYKET *Distributive and General Lattices: Representations and General Lattices*	
11:45 - 12:05	S. SOLOVJOVS *Fuzzy Algebras as a Framework for Fuzzy Topology*	T. TANGSUPPHAWAT *Positivity of Third Order Linear Recurrence Sequences*	
12:10 - 12:30	K. SAENGSURA *Hyperalgebras and Hyper-coalgebras of Type τ*	A. GUPTA *QuantumPolynomials*	
12:35 - 12:55	C. LELE *Folding Theory of Some Types of Ideals in BCI-Algebras* 13:00 - 13:15	H. BÖRGER *Can we do Computations with Infinitary Linear Combinations Without Worrying About Convergence ?*	
13.00 - 13.20	R. SRITHUS *Derived Algebras*	L.SHAHBAZ *C-dense Injectivity and C-dense Essential Monomorphisms in the Category $Act - S$ for an Arbitrary Closure Operator C*	

13.15	**Closing Ceremony in 0.58**		

13:30	**Walk through the Parc of Sanssoucci**		