

Program of the
63rd Workshop on General Algebra
and the
17th Conference of Young Algebraists
University of Kaiserslautern
February 22 - 24, 2002

Friday, February 22			
13:30 Room 210	Opening ceremony Vice president Helmut Schmidt Dean Willi Freeden		
14:00 Room 210	Chair: Dietmar Schweigert Rudolf Wille <i>Contextual Logic - a mathematical theory of human thought</i>		
	Room 210 Chair: Peter Burmeister Contextual Logic	Room 208 Chair: Martin Goldstern Theory of Lattices	Room 438 Chair:
15:10	Richard Holzer <i>Attribute exploration in ring theory</i>	Leonard Kwuida <i>The varieties of dicomplemented lattices generated by chains</i>	
15:35	Julia Klinger <i>Reasoning with existential semiconcept graphs</i>	Sándor Radeleczki <i>On the tolerance lattices of algebras in congruence distributive varieties</i>	
16:00	Coffee break		
	Room 210 Chair: Peter Burmeister Contextual Logic	Room 208 Chair: Martin Goldstern Theory of Lattices	Room 438 Chair:
17:00	Björn Vormbrock <i>Congruence relations on double boolean algebras</i>	Ivan Chajda <i>Ideals and congruence classes in Brouwerian semilattices</i>	
17:25	Hans-Jürgen Bandelt <i>The algebra of metric betweenness: subdirect representation, retracts, and axiomatics of weakly median graphs</i>	Radomir Halas	
18:00 Room 210	Chair: Rudolf Wille Renate Tobies <i>Emmy Noether und ihre Schule</i>		

19:00 Informal Gathering

Saturday, February 23			
09:00 Room 210	Chair: Reinhard Pöschel Andrei Krokhin <i>Clones and the complexity of constraint satisfaction and optimization</i>		
	Room 210 Chair: Reinhard Pöschel Clones and boolean functions	Room 208 Chair: Kalcho Todorov Hyperidentities	Room 438 Chair: Radomir Halas Applications in computer science
10:10	Ivo G. Rosenberg <i>Optimal representations of 0-1 boolean functions over EXOR, AND and N</i>	Ewa Graczyńska <i>Cohyperidentities</i>	Agem Valentine Beng Development and progress of Algebra in Software, Case study on Developing countries
10:35	Alexander Semigrodskikh <i>On clones of polynomials over infinite fields of prime characteristic</i>	Hippolyte Hounnon <i>All presolid varieties of semirings</i>	Uchenna Colman Obi <i>Mathematical application in economic planning</i>
11:00	Break (10 minutes)		
	Room 210 Chair: Ivan Chajda Theory of Lattices	Room 208 Chair: Ewa Graczyńska Hyperidentities	Room 438 Chair: Rudolf Wille
11:10	Martin Goldstern <i>The generic countable lattice</i>	Jörg Koppitz <i>Theory of colored hypersubstitutions</i>	Mohammed Abdul Razak <i>Mathematics: The basis of scientific endeavours</i>
11:35	Vladimir Slezak <i>Join-closed and meet-closed subsets in complete lattices</i>	Slavcho Shtrakov <i>Sequences of Hypersubstitutions and Coloring</i>	Marcel Tonga TBA
12:00 - 14:00	Lunch in the "Sommerhaus" (near to the conference site)		

Saturday, February 23			
	Room 210 Chair: Ivo G. Rosenberg Semigroups	Room 208 Chair: Erhard Aichinger Classical algebraic structures	Room 438 Chair: Ewa Gracyszyna Hyper K-algebras
14:10	Ilya A. Ivanov <i>Construction of semigroups with non-integer Gelfand-Kirillov dimension</i>	Alexander Guterman <i>On the Growth of Identities</i>	Arsham Borumand Saeid <i>On (Positive) Implicative Hyper K-ideals</i>
14:35	Jakubíková-Studenovská <i>Cayley representation of algebras with additional semigroup structure</i>	Olga Pshenitsyna <i>Extremal rank r-conditions and their linear preservers</i>	R. A. Borzooei <i>Some results on Hyper K-algebras</i>
15:00	Reinhard Pöschel <i>Invariant relations of (transformation) algebras with additional semigroup structure</i>	Alexei Karavaev <i>Commutative subalgebras in matrices</i>	Mohammad Mehdi Zahedi <i>Fuzzy (Normal) Sub-F-Polygroups</i>
15:30	Coffee break		
	Room 210 Chair: Ivo G. Rosenberg Lattices and orders	Room 208 Chair: Erhard Aichinger Classical algebraic structures	Room 438 Chair:
16:30	Kalcho Todorov <i>On the maximal subsemigroups of the increasing order-preserving finite transformation semigroup</i>	Sergei Limarenko <i>Weakly primitive rings</i>	
16:55	Aleksey Ovchinnikov <i>A new approach to classification of monomial orderings</i>	Youlia Darevskaya <i>Shabat's polynomials with integer coefficients</i>	
17:20	Joanna Skowronek-Kaziow <i>n-distributivity and n-modularity properties in lattices</i>	Wolfram Bentz TBA	
17:45	Funda Karacal <i>The notes on the lattice-ordered groupoids</i>		

Get-together in the "Sommerhaus"

Sunday, February 24			
09:00 Room 210	Chair: Martin Goldstern Erhard Aichinger <i>Affine complete algebras in congruence permutable varieties</i>		
	Room 210 Chair: Sándor Radeleczki Universal algebra and applications	Room 208 Chair: Ulrich Dempwloff Group theory	Room 438 Chair:
10:10	Vladimir Kuchmei <i>Affine completeness of de Morgan algebras</i>	Ali Reza Ashrafi <i>(p,q,r)-generations and nX-complementary generations of some sporadic groups</i>	
10:35	Thomas Vetterlein <i>Quantum structures and partial algebras</i>	Masood Hamadani <i>The full non-rigid group theory for trimethylamine</i>	
11:00	Break (10 minutes)		
	Room 210 Chair: Sándor Radeleczki Applications in computer science	Room 208 Chair: Ulrich Dempwloff Group theory	Room 438 Chair:
11:10	Zoltan Esik <i>Theories of regular tree languages</i>	B. Khosravi <i>A characterization of $C_4(q)$</i>	
11:35	G. R. Vakili-Nezhaad <i>Numerical solution of the drop population balance model</i>	Ghorban Ali Moghani <i>Complementary generations of some sporadic groups</i>	
12:00 Room 210	Concluding remarks		

14:00 Walking tour through the palatinate forest