

**AAA80 Workshop on General Algebra &
Workshop on Non-classical Algebraic Structures
Będlewo, Poland, 1- 6 June, 2010**

PROGRAMME

TUESDAY, June 1, 2010

16.00 - 18.00	Registration
16.00	BUS from Poznań to Będlewo
18.00	DINNER
19.00 - 21.00	Registration

WEDNESDAY, June 2, 2010

8.00	BREAKFAST	
	Room C Chair: R. Pöschel	
9.00	OPENING	
9.10 - 10.00	Aleš Drápal , Charles University, Prague, Czech Republic Loops and their varieties	
10.10 - 11.00	Gábor Nagy , József Attila University, Szeged, Hungary On the Baer correspondance of finite loops and groups	
11.00	Coffee break	
	Room C Chair: D. Stanovský	Room A Chair: J. Cirulis
11.30 - 11.50	Přemysl Jedlička Commutative automorphic S_p -loops	Ivan Chajda Polynomially representable semirings
12.00 - 12.20	Jan Raasch On commutators and associators in Catalan loops	Miroslav Korbelař Congruence-simple subsemirings of $Q^+ + S$
12.30 - 12.50	Jan Vlachy Small left-distributive quasigroups	Michiro Kondo Note on strict residuated lattices with an involutive negation
13.00	LUNCH	
	Room C Chair: J. Lawson	
14.40 - 15.30	Jonathan D. H. Smith , Iowa State University, Ames, USA Modes, modals, and barycentric algebras	
15.30	Coffee break	
	Room C Chair: J. Lawson	
16.00 - 16.30	Anna Romanowska , Warsaw University of Technology, Poland On mode reducts of semimodules	
	Room C Chair: G. Nagy	Room A Chair: J. Berman
16.40 - 17.00	Grzegorz Bińczak & Joanna Kaleta Directly indecomposable finite monogenic entropic quasigroups with quasi-identity	Bartosz M. Jabłoński On mode reducts of monoids
17.10 - 17.30	Jan Gałuszka The algebraic structure of quasigroup formulas	Anna Zamojska-Dzienio Free modals
18.00	DINNER	

THURSDAY, June 3, 2010

8.00	BREAKFAST	
	Room C	Chair: P. Idziak
9.10 - 10.00	Jimmie Lawson , Louisiana State University, Baton Rouge, USA Differentiable reflection quasigroups, Bruck loops, and gyrogroups	
10.10 - 11.00	Achim Jung , University of Birmingham, United Kingdom On the bitopological nature of Stone Duality	
11.00	Coffee break	
	Room C	Chair: A. Drápal
		Room A
		Chair: M. Semenova
11.30 - 11.50	Jonathan D. H. Smith Automorphisms of universal algebras	Michal Botur Finite distributive lattices with antitone bijections on the principal filters
12.00 - 12.20	Adam Christov Quadratic quasigroups in public-key cryptography	Miroslav Kolařík Direct decompositions of basic algebras and their idempotent modifications
12.30 - 12.50	Andrea Frisová Quasigroups and stream cipher Edon-80	Jan Krňávek Pre-ideals of basic algebras
13.00	LUNCH	
	Room C	Chair: I. Chajda
		Room A
		Chair: I. Dolinka
14.10 - 14.30	Janis Cirulis Weak relative pseudocomplementation on semilattices	Manfred Droste Countable random \mathcal{P} -groups with prescribed Ulm invariants
14.40 - 15.00	Filip Švrček Pseudocomplements in weak lattices	Rüdiger Göbel Absolute E -rings
15.10 - 15.30	Joao Pita Costa On the coset structure of categorical skew lattices	
15.45	Walk to the Wielkopolski National Park near the Będlewo Center	
19.00	DINNER	

FRIDAY, June 4, 2010

8.00	BREAKFAST	
	Room C Chair: A. Kisielewicz	
9.10 - 10.00	Heinz-Peter Gumm , Philipps-Universität Marburg, Germany Universal coalgebras and their logics	
10.10 - 11.00	Yde Venema , University of Amsterdam, Netherlands Free modal algebras: a coalgebraic perspective	
11.00	Coffee break	
	Room C Chair: D. Jakubikova-Studenovská	Room A Chair: K. Kaarli
11.30 - 11.50	Sebastian Kerkhoff A general Galois theory for dual operations and dual relations	Gábor Czédli Sums and tolerances of lattices
12.00 - 12.20	Reinhard Pöschel On centralizer clones	Pierre Gillibert The possible values of critical points between varieties of lattices
12.30 - 12.50	Klaus Denecke Semigroups and semirings of Boolean operations	Dragan Mašulović Homomorphism-homogeneous lattices and semilattices
13.00	LUNCH	
	Room C Chair: J. Tuma	
14.40 - 15.30	Igor Dolinka , University of Novi Sad, Serbia Facets of the finite basis problem for finite involution semigroups	
15.30	Coffee break	
	Room C Chair: J. Tuma	
16.00 - 16.30	Janusz Czelakowski , Opole University, Poland Relatively congruence-modular quasivarieties and their relatively congruence-distributive sub-quasivarieties	
	Room C Chair: G. Eigenthaler	Room A Chair: D. Mašulović
16.40 - 17.00	Worakrit Supaporn Centralizer clones are preserved by category equivalences	Jörg Koppitz Anti-inverse subsemigroups of the full transformation semigroup
17.10 - 17.30	Edith Mireya Vargas Garcia \mathcal{S} -clones and \mathcal{S} -monoids	Oleg Gutik Brandt λ^0 -extensions of monoids with zero
17.40 - 18.00	Napaporn Sarasit Semigroup homomorphisms and idempotent elements in sets of tree languages	Kateryna Pavlyk On some semigroup constructions
18.00	DINNER	

SATURDAY, June 5, 2010

8.00	BREAKFAST	
	Room C Chair: Y. Venema	
9.10 - 10.00	Joel Berman , University of Illinois, Chicago, USA Uppers bounds for the sizes of finitely generated algebras	
10.10 - 11.00	Franco Montagna , University of Siena, Italy An algebraic treatment of imprecise probabilities	
11.00	Coffee break	
	Room C Chair: J. Koppitz	Room A Chair: G. Czedli
11.30 - 11.50	Martin Friedrich Schneider Weak homomorphisms between functorial algebras	Kalle Kaarli Subalgebras of the squares of minimal majority algebras
12.00 - 12.20	Sergejs Solovjovs Hypergraph functors and attachment	Danica Jakubíková-Studenovská Monounary algebras and their pseudovarieties
12.30 - 12.50	Ewa Graczyńska (presented by K. Denecke) Dependence spaces Pablo Gabriel Celayes Algebraic functions	Ondrej Krídlo A category of L-Chu correspondences and Galois functors
13.00	LUNCH	
	Room C Chair: H. P. Gumm	
14.40 - 15.30	Paweł M. Idziak , Jagiellonian University, Krakow, Poland Constraint satisfaction problem: Present state of the dichotomy conjecture	
15.30	Coffee break	
	Room C Chair: H. P. Gumm	
16.00 - 16.30	Marcin Kozik , Jagiellonian University, Krakow, Poland Constraint satisfaction problem: Present state of the dichotomy conjecture, continued	
	Room C Chair: F. Montagna	Room A Chair: K. Denecke
16.40 - 17.00	Libor Barto Rectangularity theorem for conservative algebras	Dara Phusanga Hyper-pseudoformulas and M -solid ordered pseudovarieties
17.10 - 17.30	Anvar Nurakunov Complexity of quasivariety lattices of pointed abelian groups	Somsak Lekkoksung Hyperidentities and hypersubstitutions of many-sorted algebras
17.40 - 18.00	Mariusz Grech Regular symmetry groups of Boolean functions	
18.30	Conference Bonfire	

SUNDAY, June 6, 2010

8.00	BREAKFAST
	Room C Chair: J. D. H. Smith
9.10 - 10.00	Andrzej Kisielewicz , University of Wrocław, Poland Symmetries of mathematical structures
10.10 - 10.40	Marina Semenova , Siberian Branch of Russian Academy of Science, Novosibirsk, Russia Existence varieties of complemented modular lattices
10.50 - 11.20	Rudolf Wille , Technische Universität Darmstadt, Germany Communicative rationality, logic and mathematics
11.30	CLOSING
12.00	LUNCH
13.00	BUS from Będlewo to Poznań