AAA 70, TU Wien — Friday, May 27, 2005

———— 9:00 Opening ————

09:15–10:10 Plenary talk: **A.M.W. Glass:** *Orderings and groups: a survey of recent results*

———— Coffee Break ————

	Sem 101A (3rd floor) *Chair: Auinger*	ZS 3 (7th floor) *Chair: Dorfer*	Diss (8th floor) *Chair: Czedli*	ZS 1 (8th floor) *Chair: Mundici*
11:00-11:20	**Werner Kuich** *On skew formal power series*	**Aldo Ursini** *Boolean ultrafilters*	**Branimir Šešelja** *Classification of functions in a cardinal power*	**Jiří Rachůnek** *Probabilistic averaging in bounded residuated ℓ-monoids*
11:30-11:50	**Hermann Kautschitsch** *Prime ideals in the near-ring of formal power series*	**Miroslav Haviar** *When is a full duality strong?*	**Ervin Fried** *Relations between lattice-properties*	**Anatolij Dvurečenskij** *On the existence of states for linear pseudo BL-algebras*
12:00-12:20	**Mikhail Volkov** *Modular elements of the lattice of semigroup varieties*	**David M. Clark** *The axiomatizability of topological quasi-varieties*	**Olga Sokratova** *Rewriting & congr.membership problem for polynomial semirings*	**Jan Kühr** *Weak Boolean products of bounded (dually) residuated lattices*

———— Lunch Break ————

14:00–15:00 Plenary talk: **Marcel Erné:** *Pseudocomplementation - old and new*

———— Coffee Break ————

	Sem 101A (3rd floor) *Chair: Halaš*	ZS 3 (7th floor) *Chair: Dorninger*	Diss (8th floor) *Chair: Winkler*	ZS 1 (8th floor) *Chair: Eigenthaler*
16:00-16:20	**Jiří Sichler** *On quasivarieties of distributive double p-algebras*	**Rudolf Wille** *Preconcept algebras and generalized double Bool.algebras*	**Marie Demlová** *Types of universality of some varieties close to bands*	**Sándor Radeleczki** *Compatible relations on majority algebras*
16:30-16:50	**Jürg Schmid** *Pseudocomplemented semilattices are universal — in a sense*	**Anna Romanowska** *Some algebraic structures of logic programming*	**Horea Abrudan** *Boundedness of top.rings of endomorphisms of torsion Abelian groups*	**Jānis Cīrulis** *Finitizing projection algebras*
17:00-17:20	**Mark Farag** *Lying over in near-ring extensions*	**Ivan Chajda** *Implication reducts of propositional logics*		
17:30-17:50	**Ewa Graczyńska** *M-hyperquasi-equational logic*		**Jorge Almeida** *Engel elements and dyn.systems defining nilpotency in fin.groups*	**Michał Stronkowski** *Not all modes satisfy Szendrei identities*

———— 19:00 Conference Dinner (math building, 1st floor) ————

Plenary talks: Schütte-Lihotzky lecture hall, main building   Section talks: Math building, green zone ("Turm A")   Coffee breaks: Math building, green zone, 5th floor

AAA 70, TU Wien   Saturday, May 28, 2005

09:00–10:00 Plenary talk: | **Daniele Mundici:** *Stone duality for Dedekind sigma-complete lattice-ordered groups with order-unit* |

───────── CONFERENCE PHOTO and Coffee Break ─────────

	Sem 101A (3rd floor) *Chair: Baaz*	ZS 3 (7th floor) *Chair: Rosenberg*	Diss (8th floor) *Chair: Glass*	ZS 1 (8th floor) *Chair: Dvurečenskij*
11:00-11:20	**Mirko Navara** *Computation in orthomodular lattices*	**Dragan Mašulović** *A note on polynomial interpolation in Mal'cev algebras*	**Günter Lettl** *Finitely arithmetically fixed elements of a field*	**Radomír Halaš** *Sectionally pseudocomplemented semilattices*
11:30-11:50	**Andreja Tepavčević** *Lattice problems arising in theory of intuitionistic fuzzy sets*	**Maja Pech** *Local methods for traces of maximal clones*	**Štefan Černak** *Cauchy complete l-ideals of a lattice ordered group*	**Dietmar Dorninger** *Polynomial permutations on bounded lattices with antitone invol.*
12:00-12:20	**George Metcalfe** *Density in residuated lattices*	**Miklós Dormán** *Collapsing inverse monoids*	**Wolfgang Herfort** *Maximal cyclic subgroups and prime divisors in finite groups*	**Josef Šlapal** *Thin relations and associated closure operators*

───────── Lunch Break ─────────

	Sem 101A (3rd floor) *Chair: Šlapal*	ZS 3 (7th floor) *Chair: Wehrung*	Diss (8th floor) *Chair: Aichinger*	ZS 1 (8th floor) *Chair: Mašulović*
14:00-14:20	**Wojciech Dzik** *Splittings of lattices of theories and unification types*	**Péter P. Pálfy** *Power-hereditary congruence lattices*	**Pham Ngoc Anh** *Bezout semigroups*	**Klaus Denecke** *Non-deterministic hypersubstitutions*
14:30-14:50	**Daciana Alina Alb** *Epireflective subcategories in the category of compact modules*	**Miroslav Ploščica** *Refinable decomposition systems in distributive semilattices*		**Jörg Koppitz** *M-solid varieties of n-semigroups*
15:00-15:20	**Ladislav Bican** *On injective hulls*	**Vladimir B. Repnitskiĭ** *On subgroup lattices*	**Gerhard Wendt** *Left ideals in 1-primitive near-rings*	**Dietmar Schweigert** *Fluid varieties*

───────── Coffee Break ─────────

	Sem 101A (3rd floor) *Chair: Wiesenbauer*	ZS 3 (7th floor) *Chair: Pálfy*	Diss (8th floor) *Chair: Goldstern*	ZS 1 (8th floor) *Chair: Erné*
16:30-16:50	**Howard E. Bell** *Commutativity-or-finiteness conditions for rings*	**Libor Polák** *Generalized universal algebra*	**Bertalan Pécsi** *Situation logic and bridges*	**Zdenka Riečanová** *On Jauch-Piron effect algebras*
17:00-17:20		**Erhard Aichinger** *Types of polynomial completeness of expanded groups*	**Gábor Sági** *On absolutely ubiquitous structures*	**Elena Vincekova** *Riesz ideals in generalized effect algebras and in their unitifications*
17:30-17:50	**Agata Pilitowska** *Complex condition in algebras of subalgebras*	**Kalle Kaarli** *Order affine completeness of lattices*	**Philipp Rothmaler** *Elementary relations and epimorphisms*	**Mihai Chis** *Automorphisms … with a given number of fixed points*

	Sem 101A (3rd floor) *Chair: Länger*	ZS 3 (7th floor) *Chair: Volkov*	Diss (8th floor) *Chair: Herfort*	ZS 1 (8th floor) *Chair: Müller*
09:00-09:20	**Vyacheslav A. Artamonov** *On symmetries of quasi-crystals*	**Jonathan Farley** *Rado's generalization of Hall's marriage theorem*	**Gabriele Ricci** *Vector spaces do not need fields*	**Willi More** *Permutation polynomials based on multivariate rational functions*
09:30-09:50	**Kazimierz Głazek** *Weak isos, equiv.hypersubstitutions and Mal'tsev correspondence*	**Erkko Lehtonen** *On subfunctions of Boolean functions*	**Peter Mayr** *A top. property of polynomials on some general linear groups*	**Gary P. Carter** *RAK: A new factoring algorithm*

———— Coffee Break ————

	Sem 101A (3rd floor) *Chair: Rachůnek*	ZS 3 (7th floor) *Chair: Volkov*	Diss (8th floor) *Chair: Herfort*	ZS 1 (8th floor) *Chair: Müller*
10:30-10:50	**Jan Paseka** *The general prime ideal theorem*	**Gábor Kun** *The membership problem and the equational bound*	**Aleksander Rutkowski** *Antichains in powers of ordered sets*	**Kenneth Wong** *On the implementation of torus-based cryptosystems*
11:00-11:20	**Helmut Länger** *Heredit.gen.Bool.quasirings, MV-algebras and de Morgan algebras*	**Ivo G. Rosenberg** *Commutation and centralizers*	**Christian Pech** *On the t-vertex condition for strongly regular graphs*	**Johann Wiesenbauer** *On elements of composition semigroups with a small centralizer*

———— Coffee Break ————

12:15–13:15 Plenary talk: **Friedrich Wehrung:** *Recent results on congruence lattices of algebras with permutable congruences*

———— Closing Words ————

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