

## SUNDAY, SEPT 2, 2012

14:00-17:55 Registration

19.00 Informal Getting Together with Wine Tasting (bar downstairs)

## MONDAY, SEPT 3, 2012

Lecture saloon K1

Chairman: Miroslav Haviar

08.45-08.50 Opening

08.55-09.15 Pavol Zlatoš: *Tibor Katriňák (the jubilee talk)*

09.20-09.40 Tibor Katriňák: *The tradition of the Summer Schools on Algebra*

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Chairman: Tibor Katriňák

09.45-10.40 Brian Davey: *Natural dualities and counting compatible relations on a finite algebra I*

10.40-11.10 Coffee break

11.15-12.10 Miklós Maróti: *Constraint Satisfaction Problem I*

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13.30-16.30 Afternoon trips/walks with Günther I (gather at the reception)

17.00 – 18.45 Special Dinner to honor the 75th birthday of Professor Tibor Katriňák (with a ‘special toast‘ by Pavol Zlatoš)

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Lecture saloon K1

Chairman: Wojciech Dzik

19.00-19.25 Luigi Santocanale: *Identities satisfied by Associahedra*

19.30-19.55 Maria Joao Gouveia: *Special completions of semilattices*

20.00-20.25 Sebastian Kerkhoff: *(Natural) Dualities for the Benefit of Clone Theory*

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Lecture saloon S1

Chairman: Miroslav Ploščica

19.00-19.25 Gábor Horváth: *On the polynomial equivalence of the rings  $\mathbb{Z}_p^n$  and  $\mathbb{Z}_p[t]/(t^n)$*

19.30-19.55 Kamilla Kátaí-Urbán: *The number of words over finite semigroups (a summary)*

20.00-20.25 Sándor Radeleczki: *Rough sets generated by tolerances - an approach via FCA*

20.30-20.55 Danica Jakubíková-Studenovská: *Lattice of formations of finite monounary algebras*

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Lecture saloon S2

Chairman: Jaroslav Guričan

19.00-19.25 Dana Šalounová: *Approximation spaces in residuated lattices*

19.30-19.55 Jiří Rachůnek: *Generalizations of topological operators on commutative residuated lattices*

20.00-20.25 Jan Kühn: *Derivations and isometries on GMV-algebras*

20.30-20.55 Petr Emanovský: *On some properties of pseudo BCI-algebras*

## TUESDAY, SEPT 4, 2012

Lecture saloon K1

Chairman: Günther Eigenthaler

08.45-09.10 Ivan Chajda: *Congruences on directoids*

09.15-09.40 Reinhard Pöschel: *The lattice of quasiorder lattices of algebras on a given set* (coauthors Danica Jakubikova-Studenovska and Sandor Radeleczki)

09.45-10.40 Brian Davey: *Natural dualities and counting compatible relations on a finite algebra II*

10.40-11.10 Coffee break

11.15-12.10 Gábor Czédli: *Planar semimodular lattices I* (coauthor George Grätzer)

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13.30-18.00 Afternoon trips/walks with Günther II (gather at the reception)

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Lecture saloon K1

Chairman: Zdenka Riečanová

19.00-19.25 Silvia Pulmannová: *Projections and ideals in synaptic algebras*

19.30-19.55 Anatolij Dvurečenskij:  *$\ell$ -groups and po-groups versus algebraic and quantum structures*

20.00-20.25 Jan Paseka: *Operators on MV-algebras and their representations*

20.30-20.55 Jiří Janda: *Weakly ordered  $a$ -commutative partial groups of linear operators densely defined on Hilbert space*

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Lecture saloon S1

Chairman: Sándor Radeleczki

19.00-19.25 Josef Šlapal: *On two categories of ordered sets endowed with a closure operator*

19.30-19.55 David Kruml: *Basic couples*

20.00-20.25 Radek Šlesinger: *Triads over quantaloids*

20.30-20.55 Jan Pavlík: *Significance domains*

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Lecture saloon S2

Chairman: Luigi Santocanale

19.00-19.25 Hajime Machida: *Essentially minimal clones on a three-element set*

19.30-19.55 Alexandr Kazda: *Absorption in idempotent reducts of groups*

20.00-20.25 Filip Krajník: *Congruence distributive varieties with compact intersection property*

20.30-20.55 Zuzana Farkasová: *On radical classes of monounary algebras concerning homogeneity*

## WEDNESDAY, SEPT 5, 2012

WHOLE DAY TRIP

18.00 – 24.00 CONFERENCE BANQUET (bar downstairs)

## THURSDAY, SEPT 6, 2012

Lecture saloon K2

Chairman: Radomír Halaš

08.45-09.10 Tibor Katriňák: *Free pseudocomplemented semilattices*

09.15-10.10 Miklós Maróti: *Constraint Satisfaction Problem II*

10.15-10.40 Libor Barto: *Decidability of absorption for relational structures*

10.40-11.10 Coffee break

11.15-12.10 Fred Wehrung: *The extended permutohedron on a transitive relation*

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13.30-14.55 Afternoon trips/walks with Günther III (gather at the reception)

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Lecture saloon K2

Chairman: Martin Máčaj

15.00-15.55 Mikhail Klin: *New non-Schurian association schemes with a few classes*

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Lecture saloon K2

Chairman: Jan Paseka

16.00-16.25 Martin Máčaj: *Search for properties of the missing Moore graph*

16.30-16.55 Gejza Jenča: *On lexicographic shellability of posets*

17.00-17.25 Zdenka Riečanová: *Representation of interval effect algebras by positive linear operators*

17.30-17.55 Miroslav Kolařík: *Pseudo basic algebras*

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Lecture saloon S1

Chairman: Reiner Fritzsche

16.00-16.25 Dara Phusanga: *Derived Relational Structures with Quasi-antiorder*

16.30-16.55 Reichard Sven: *Enumeration of Strongly Regular Designs*

17.00-17.25 Mike Behrisch: *Relational Structure Theory - from algebras to locally finite varieties*

17.30-17.55 Friedrich Martin Schneider: *A relational localisation theory for topological algebras*

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Lecture saloon 1st floor (next to restaurant)

Chairman: Kalle Kaarli

16.00-16.25 Wojciech Dzik: *Heyting algebras with one and with two Galois Connections* (coauthors Michiro Kondo and Jouni Jarvinen)

16.30-16.55 Bozena and Bogdan Staruch: *Maximal congruences for partial structures*

17.00-17.25 Christian Pech: *Polymorphism homogeneous structures and their clones*

17.30-17.55 Janis Cirulis: *Regular double Stone algebras and inversion domains*

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Lecture saloon K1

Chairman: Maria Joao Gouveia

19.00-19.25 Nadiya (Saif) Aldhamri: *Dualities for Quasivarieties of Bands*

19.30-19.55 Long Thanh Nguyen: *Counting compatible relations on finite Heyting chains*

20.00-20.25 Wieslaw Kubiś: *Natural dualities for convexity structures*

20.30-20.55 Nebojša Mudrinski: *2-supernilpotent Malcev algebras*

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Lecture saloon S1

Chairman: Mikhail Klin

19.00-19.25 Daniel Kalmanovich: *Strongly regular Cayley graphs via representation theory*

19.30-19.55 Štefan Gyürki: *Some infinite families of non-Schurian association schemes*

20.00-20.25 Emília Halušková: *Direct limit closed classes of algebras*

20.30-20.55 Miroslav Ploščica: *Congruence FD-maximal varieties*

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Lecture saloon 1st floor (next to restaurant)

Chairman: Gerhard Dorfer

19.00-19.25 Anna Zamojska-Dzienio: *On quasivarieties of graphs*

19.30-19.55 Agata Pilitowska: *Closure operators and semilattice ordered algebras* (joint work with A. Zamojska-Dzienio)

20.00-20.25 Aleksander Rutkowski: *Reconstruction of ordered sets*

20.30-20.55 Mate Lehel Juhasz: *Embedding semi-lattices of subspaces of vector spaces*

## FRIDAY, SEPT 7, 2012

Lecture saloon K1

Chairman: Martin Goldstern

08.45-09.40 Pavol Zlatoš: *Pontryagin duality in hyperfinite ambience*  
– *Proof of Gordon's Conjecture*

09.45-10.40 Gábor Czédli: *Planar semimodular lattices II* (coauthor George Grätzer)

10.40-11.10 Coffee break

11.15-12.10 Brian Davey: *Natural dualities and counting compatible relations on a finite algebra III*

12.10 Closure