Colloquium on Semigroups

Szeged, 17–21 July, 2000

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TENTATIVE PROGRAM

Monday (17 July)

10.00–10.15 Opening of the Colloquium

10.20–11.10 *Donald B. McAlister*: Inverse Semigroups with a Compatible Semilattice Ordering

Coffee break

11.40–12.00 *Gonçalo Pinto*: On Ordered Completely Simple Semigroups
12.05–12.25 *Martin Kuřil*: Varieties of Semilattice-Ordered Semigroups
12.30–12.50 *Libor Polák*: On Pseudovarieties of Semilattice-Ordered Semigroups and Monoids

Lunch break

15.00–15.50 *Benjamin Steinberg*: Categories as Algebra II
16.00–16.20 *Karl Auinger*: A Syntactic Approach to Covers of E-dense Semigroups

Coffee break

16.50–17.10 *Janusz Konieczny*: The Semigroup Generated by Regular Boolean Matrices
17.15–17.35 *Marin Gutan*: Groups of Permutation Identities for Some Classes of Semigroups
17.40–18.00 *Attila Nagy*: Regular $\mathcal{RGC}_n$-commutative semigroups

Tuesday (18 July)

9.00–9.20 *Žarko Popović*: Regularity and Archimedeaness of Semidirect Products of Semigroups
9.25–9.45 *Melanija Mitrović*: On π-semisimple and Left Quasi-π-regular Semigroups
9.50–10.10 *Miroslav Ćirić*: Regularity Equations and Conditions on Semigroups
10.15–10.35 *Bernd Billhardt*: Embedding Locally Inverse Semigroups into Rees Matrix Semigroups

Coffee break

11.05–11.55 *Winfried Bruns*: Normality and Covering Properties of Affine Semigroups
12.05–12.25 *Ngô Việt Trung*: Ring Theoretic Properties of Affine Semigroups
12.30–12.50 *Klaus Denecke*: All Solid Varieties of Semirings

Lunch break

15.00–15.50 *Pierre A. Grillet*: Commutative Semigroup Cohomology
16.00–16.20 *Boris V. Novikov*: On Cohomological Dimension of Ideals of Free Semigroups

Coffee break

16.50–17.10 *Vitaly Usenko*: The Semigroup Complexes and the Endomorphism Semigroups
17.15–17.35 *Peeter Puusemp*: Some Embedding Theorems for Groups

Wednesday (19 July)

9.00–9.20	*Wit Forys*: Asymptotic Behaviour of Bi-infinite Words
9.25–9.45	*Jelena Kovačević*: Semigroup Theoretical Methods in Automata Theory
9.50–10.10	*Tatjana Petković*: Variable Varieties of Semigroups
10.15–10.35	*Jorge Almeida*: Tameness of the Pseudovariety **R**

Coffee break

11.05–11.55	*Boris M. Schein*: A New Construction for Free Inverse Semigroups
12.05–12.25	*Igor Dolinka*: Some Results on the Lattice of Varieties of Involution Semigroups
12.30–12.50	*Akihiro Yamamura*: A Class of Inverse Monoids Acting on Ordered Forests

Lunch break

15.00–18.30	Sight seeing tour

Thursday (20 July)

9.00–9.20	*Predrag V. Krtolica*: An Implementation of Unary Pairfunctions Using the Reverse Polish Notation
9.25–9.45	*Aleksandar Stamenković*: Primitive Idempotents in Semigroups
9.50–10.10	*Ondřej Klíma*: Complexity of Unification and Matching Problems in the Varieties of Bands
10.15–10.35	*Michal Kunc*: Weak Codings of Trace Monoids

Coffee break

11.05–11.55	*John Rhodes*: Techniques in my Proof that Complexity is Decidable Finite Automata and Semigroups
12.05–12.25	*Chrystopher L. Nehaniv*: "Genius Jumps" in the Complexity of Finite Semigroups
12.30–12.50	*Arseny M. Shur*: Syntactic Semigroups of Languages Closed Under Factors

Lunch break

15.00–17.30	Problem session (with summaries on main streams of research and on important open problems presented by J. Almeida, M. B. Szendrei and M. V. Volkov)
19.00–22.00	Reception

Friday (21 July)

9.30–9.50	*Pál Dömösi*: Irreducibility in Equal Length for Finite Semigroups
9.55–10.15	*Siniša Crvenković*: Free Spectra and p_n-sequences of Semigroups
10.20–10.40	*Mikhail V. Volkov*: The Finite Basis Problem for Semigroups of Orientation Preserving Transformations

Coffee break

11.10–12.00	*Boris M. Vernikov*: The Lattice of Nilsemigroup Varieties