

PROGRAM OF AAA103

The talks are scheduled for 25 minutes in length, followed by a 5 minute discussion period. All talks will be in the Delta building in rooms **1019**, **1020** and **1021** on the ground floor.

Thursday, June 8th

18:00-20:00 **Welcome session** with coffee in room **4066** for those who have arrived earlier.

Friday, June 9th, Morning

9:00 - 9:25 **Registration**

9:25 - 9:30 **Opening** in the lecture hall 1021

	Lecture Hall 1021 Chair: Reinhard Pöschel
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9:30 - 10:20	Tamás Waldhauser Associative spectra of binary operations
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10:30 - 11:00 **Coffee break**

	Lecture Hall 1020 Chair: Péter P. Pálffy	Lecture Hall 1019 Chair: Nasir Sohail
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11:00 - 11:25	Dmitriy Zhuk On symmetric term operations in finite Taylor algebras	Tatiana Jajcayová Use of partial automorphisms in determining symmetry levels of combinatorial structures
11:30 - 11:55	Pasha Zusmanovich A variant of Baer's theorem	Wajih Ashraf Closedness of subvarieties of bands
12:00 - 12:25	Ülo Reimaa Higgins commutators in some varieties of semigroups and magmas	Michael Pinsker The semigroup of increasing functions on the rationals and its unique Polish topology

12:30 - 14:00 **Lunch break**

Friday, June 9th, Afternoon

	<p>Lecture Hall 1021</p> <p>Chair: Erkki Lehtonen</p>
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14:00 - 14:50	<p>Kalle Kaarli</p> <p>From near-rings to polynomial completeness and residuated mappings</p>
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15:00 - 15:30 **Coffee break**

	<p>Lecture Hall 1020</p> <p>Chair: Tamás Waldhauser</p>		<p>Lecture Hall 1019</p> <p>Chair: Hajime Machida</p>
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15:30 - 15:55	<p>Miroslav Ploščica</p> <p>Congruence lattices of Abelian lattice-ordered groups</p>	15:30 - 15:55	<p>Michiro Kondo</p> <p>On L-fuzzy approximation operators on residuated lattices</p>
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16:00 - 16:25	<p>Bernardo Rossi</p> <p>Polynomial completeness properties of Mal'cev algebras with (SC1)</p>	16:00 - 16:25	<p>Bertalan Bodor</p> <p>New pseudoloop lemmas</p>
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16:30 - 16:55	<p>Peter Mayr</p> <p>The powers of simple algebras</p>	16:30 - 16:55	<p>Kristóf Varga</p> <p>One-dimensional strong affine representations of the polycyclic monoids</p>
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17:00 - 17:25	<p>Andreja Tepavčević</p> <p>Representation of lattices by weak congruence lattices, in general, and a case of groups</p>	17:00 - 17:25	<p>Sebastian Meyer</p> <p>Infinitary pp-definability over the real numbers with convex relations</p>
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17:30 - 17:55	<p>Reinhard Pöschel</p> <p>S-preclones and the Galois connection ${}^S\text{Pol} - {}^S\text{Inv}$</p>	17:30 - 17:55	<p>Pēteris Daugulis</p> <p>Applications of algebra – macro level prediction of antimicrobial resistance</p>
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18:00 - 22:00 **Social meeting** on the terrace of the fourth floor.

Saturday, June 10th, Morning

	Lecture Hall 1021 Chair: Peter Mayr
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9:00 - 9:25	Péter P. Pálffy Wiegandt's theory of Möbius products is related to D-posets
9:30 - 9:55	Michael Kompatscher Short pp-definitions for algebras with few subpowers

10:00 - 10:30 **Coffee break**

	Lecture Hall 1020 Chair: Dmitriy Zhuk	Lecture Hall 1019 Chair: Jānis Cīrulis
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10:30 - 10:55	Boža Tasić Fraser-Horn-Hu property for ordered algebras	Stefan Veldsman Right representations of (right distributive) near-ring radicals
11:00 - 11:25	Nasir Sohail Lax epimorphisms of ordered algebras	Iryna Raievska, Maryna Raievska Groups of the nilpotency class 2 of order p^4 as additive groups of local nearrings
11:30 - 11:55	Gergő Gyenizse Digraph descriptions of certain Mal'tsev conditions	Eugene Plotkin Model theory and isotypic groups
12:00 - 12:25	Miklós Maróti Taylor is prime	Insa Cremer A generalization of differences and connections to weak BCK-algebras

12:30 - 12:40 **Group photo**

12:40 - 14:00 **Lunch break**

Saturday, June 10th, Afternoon

	<p>Lecture Hall 1021</p> <p>Chair: László Márki</p>
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14:00 - 14:50	<p>John Meakin</p> <p>Inverse semigroups and Leavitt path algebras</p>
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15:00 - 15:30 **Coffee break**

	<p>Lecture Hall 1020</p> <p>Chair: Miklós Maróti</p>	<p>Lecture Hall 1019</p> <p>Chair: Ganna Kudryavtseva</p>
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15:30 - 15:55	<p>Piotr Kawałek</p> <p>Circuit Complexity aspects of solving equations in finite algebraic structures</p>	<p>Yurii Zhuchok</p> <p>On perfectness of dimonoid variety</p>
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16:00 - 16:25	<p>Jakub Rydval</p> <p>Hard meta problems at the core of the infinite-domain CSP dichotomy conjecture</p>	<p>Anatolii Zhuchok</p> <p>The least left n-trnilpotent dimonoid congruence on the free trioid</p>
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16:30 - 16:55	<p>Žaneta Semanišínová</p> <p>Valued Constraint Satisfaction Problem and resilience in database theory</p>	<p>Daniel Turaev</p> <p>Decidability problems in the plactic monoid</p>
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17:00 - 17:25		<p>Valdis Laan</p> <p>On the semigroup of 2×2 matrices over a linearly ordered abelian group</p>
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18:30 - 19:00 **Guided tour** in the University of Tartu Museum on Toomemägi hill in the historic Tartu Cathedral.

19:00 - 22:00 **Conference Dinner** in the White Hall of the same building.

Sunday, June 11th, Morning

	Lecture Hall 1021 Chair: John Meakin
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9:00 - 9:50	Victoria Gould Right coherency for monoids
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10:00 - 10:30 **Coffee break**

	Lecture Hall 1020 Chair: László Zádori		Lecture Hall 1019 Chair: Victoria Gould
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10:30 - 10:55	Ádám Kunos Słupecki digraphs		Ganna Kudryavtseva Globalization of partial semigroup actions
11:00 - 11:25	Mike Behrisch Counting and enumerating transformation monoids		Jānis Cīrulis On the order structure of U -semiabundant semigroups
11:30 - 11:55	Hajime Machida On centralizing monoids with majority operation witnesses		Itamar Stein Algebras of reduced E -Fountain semigroups – generalizing the right ample identity
12:00 - 12:25	Erkko Lehtonen Near-unanimity closed minions of Boolean functions		Ambroise Grau Structure of the monoid of endomorphisms of \mathcal{T}_n

12:30 - 12:35 **Closing** in the lecture hall 1020.