

RAMiCS 2026 Program

Tuesday — 7 April 2026

9:00 - 10:00 Lorenzo Clemente. Commutative Algebras of Series.

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

10:30 - 11:00 Michal Certik, Andreas Emil Feldmann, Jaroslav Nešetřil and Paweł Rzażewski. On Computational Aspects of Cores of Ordered Graphs

11:00 - 11:20 Paul Brunet. An adjunction between Representations and preorder morphisms

11:20 - 11:40 Roland Glück. How Can We Compute the Coarsest Matrix (Bi)simulation?

11:40 - 12:00 Roland Glück. Hypergraph Automata.

12:00 - 12:30 Noam Zeilberger tutorial, Part 1

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

14:00 - 14:20 Enzo Erlich. Kamp Theorem for Higher Dimensional Automata.

14:20 - 14:40 Emily Clement, Léo Henry, and Benjamin Monmege. Games on Higher Dimensional Automata.

14:40 - 15:00 Hugo Bazille and Uli Fahrenberg. Automata on Graph Alphabets.

15:00 - 15:20 Paul Brunet and Uli Fahrenberg. Specification Theories, Relationally.

15:20 - 15:50 **Coffee break**

15:50 - 16:20 Andrei Aleksandrov. Structural Testing with Homomorphic Encryption

16:20 - 16:50 Henning Basold, Tanjona Ralaivaosaona and Jurriaan Rot. Fan-Causality and Uniform Continuity on Final Coalgebras

16:50 - 17:20 Dan Johnson, Michael Levet, Petr Vojtechovsky and Brett Widholm. Parallel Complexity of Identifying Groups and Quasigroups via Decompositions

17:20 - 17:50 Luke Serafin. Strong Morita Rigidity for Kleene Algebras and Related Structures

Wednesday — 8 April 2026

9:00 - 10:00 Marta Bílková. On the Structure of Involutive Partially Ordered Monoids as Models of Multiplicative Fragments of Linear Logic.

10:00 - 10:30 Coffee Break

10:30 - 11:00 Ioana Leuştean and Bogdan Macovei. A hybrid many-sorted modal logic with nominal terms

11:00 - 11:30 Damian Arellanes. Compositional Control-Driven Boolean Circuits

11:30 - 12:00 Arnau Messegué-Buisan and Hebert Perez-Roses. Some Families of Greedy Numerical Semigroups

12:00 - 12:30 Noam Zeilberger tutorial, Part 2

12:30 - 14:00 Lunch

14:00 - 15:00 Special Session: Diversity at RAMiCS

15:00 - 15:30 Max Kanovich, Stepan Kuznetsov and Andre Scedrov. Complexity of equational theories for relational and language action lattices

15:30 - 15:50 Wesley Fussner and Krzysztof Krawczyk. Amalgamation in Quasivarieties of Sugihara Algebras.

15:50 - 16:10 Roland Glück and Dirk Hachenberger. Some Aspects of Linear Algebra over Lattices.

16:10 - 16:40 Coffee

16:40 - 17:00 Aloÿs Dufour. String Diagrams and Homotopies in Simplicial Sets.

17:00 - 17:20 Peter Arndt, Hugo Luiz Mariano, and Darllan Pinto. Deductive Interpolation from Horn Semantics.

17:20 - 18:30 Open Problem Session

Thursday — 9 April 2026

9:00 - 10:00 Anupam Das. Right-Linear (ω -) Regular Languages, Fixed Points and Cyclic Proofs.

10:00 - 10:30 Coffee Break

10:30 - 11:00 Chad Nester, Sam Speight, Ivan Kuzmin and Ülo Reimaa. Combinatory Completeness in Structured Multicategories

11:00 - 11:30 Andrew Craig and Claudette Robinson. Pregroup representable expansions of residuated lattices

11:30 - 12:00 Ignacio Bellas Acosta and John Stell. Weak Converse and Complement for Quantale-Enriched Profunctors

12:00 - 12:30 Mateusz Przybylski, Part 1

12:30 - 14:00 Lunch

14:00 - 14:30 Andrew Craig, Wilmari Morton and Claudette Robinson. Contractions of quasi relation algebras and applications to representability

14:30 - 15:00 Roland Glück. Simulation Quotients Simulating Bisimulation Quotients.

15:00 - 16:00 Open Problem Session

16:00 - 16:30 Coffee

16:30 - 17:00 Nagashri Krishnakumar, Harshil M. and Jayalai Sarma. On Reachability Problem on Monoid-labelled Undirected Graphs

17:00 - 17:30 Michael Winter. On the Dual Composition of Relations

17:30 - 18:30 Business meeting

Friday — 10 April 2026

9:00 - 9:30 Mateusz Przybylski tutorial, Part 2

9:30 - 10:00 Paul Brunet. Representations.

10:00 - 10:30 Marta Bílková, Wesley Fussner and Roman Kuznets. Agent Interpolation in Distributed Systems

10:30 - 12:30 Open Problem Session

12:30 - 14:00 Closing and Lunch