

Advances in Modal Logic 2010

CONFERENCE PROGRAMME

Tuesday, August 24

Conference Hall, 9-th floor

9:00 – 9:40 *Registration (Room 515, 5-th floor) and Coffee*

9:40 – 9:45 *Opening*

9:45 – 10:45 *Invited Talk*

Dick de Jongh

Some Applications of Universal Models

10:50 – 11:25 **Agi Kurucz, Frank Wolter and Michael Zakharyashev**

Islands of Tractability for Relational Constraints: Towards Dichotomy Results for the Description Logic \mathcal{EL}

11:25 – 11:45 *Coffee*

11:45 – 12:20 **David Fernández-Duque**

Absolute Completeness of \mathbf{SA}_u for Its Measure-Theoretic Semantics

12:20 – 12:55 **Amélie Gheerbrant**

Complete Axiomatization of the Stutter-invariant Fragment of the Linear Time μ -calculus

13:00 – 15:00 *Lunch*

15:00 – 15:35 **Santiago Figueira and Daniel Gorín**

On the Size of Shortest Modal Descriptions

15:35 – 16:10 **Ilya Shapirovsky**

Simulation of Two Dimensions in Unimodal Logics

16:10 – 16:30 *Coffee*

16:30 – 17:05 **Ryo Kashima**

Completeness Proof by Semantic Diagrams for Transitive Closure of Accessibility Relation

17:05 – 18:05 *Invited Talk*

Heinrich Wansing

Proofs, Disproofs, and Their Duals

18:15 *Welcome Drink*

Wednesday, August 25

Conference Hall, 9-th floor

9:15 – 9:50 **Eric Ufferman, Pedro Arturo Góngora and Francisco Hernández-Quiroz**

A Complete Proof System for a Dynamic Epistemic Logic Based upon Finite π -Calculus Processes

9:50 – 10:25 **Hans van Ditmarsch, Tim French and Sophie Pinchinat**

Future Event Logic – Axioms and Complexity

10:25 – 10:45 *Coffee*

10:45 – 11:45 *Invited Talk*

Alexandru Baltag

Iterating model transformers: cycles and fixed points, paradoxes and learning

11:50 – 12:25 **Gerard Allwein and William L. Harrison**

Partially-ordered Modalities

12:25 – 13:00 **Kai Brünnler, Remo Goetschi and Roman Kuznets**

A Syntactic Realization Theorem for Justification Logics

13:00 – 15:00 *Lunch*

15:00 – 15:35 **Clemens Kupke and Dirk Pattinson**

On Modal Logics of Linear Inequalities

15:35 – 16:10 **Alexander Kurz and Yde Venema**

Coalgebraic Lindström Theorems

16:10 – 16:30 *Coffee*

16:30 – 18:30 *Parallel Sessions*

Session 1

Conference Hall, 9-th floor

16:30–16:50 **Timofei Shatrov**

Superintuitionistic Logics of Atomless Sub-Boolean Kripke Frames

16:50–17:10 **Alexander V. Chagrov and Lilia A. Chagrova**

Undecidability of the Problem of Topological Completeness of Normal Extensions of S_4

17:20–17:40 **Marta Bílková, Jiří Velebil and Yde Venema**

On Monotone Modalities and Adjointness

17:40–18:00 **Philippe Balbiani, Olivier Gasquet and François Schwarzentruber**

Epistemic Reasoning in Lineland

18:10–18:30 **Mikhail I. Golovanov**

About an Example of Decidable Finitely Axiomatizable K_4 -logic Undecidable With Respect to Admissibility of Inference Rules

Session 2

Room 316, 3-rd floor

16:30–16:50 **Katarina Britz, Johannes Heidema and Ivan Varzinczak**

A Modal Logic for Pertinence

16:50–17:10 **Hans van Ditmarsch and Tim French**

Becoming Aware

17:20–17:40 **Philippe Balbiani and Andrey Kudinov**

A Topological Interpretation of Public Announcement Logic

17:40–18:00 **Simon Kramer**

An Intuitionistic Foundation for Interactive Computation

18:10–18:30 **Grigory K. Olkhovikov**

Second-Order Theory Δ As a Tool for Description of Modal Semantics

Thursday, August 26

Conference Hall, 9-th floor

9:15 – 9:50 **Stanislav Kikot**

Semantic Characterization of Kracht Formulas

9:50 – 10:25 **Tinko Tinchev and Dimiter Vakarelov**

Logics of Space with Connectedness Predicates: Complete Axiomatizations

10:25 – 10:45 *Coffee*

10:45 – 11:45 *Invited Talk*

Martin Otto

Expressive Completeness

11:50 – 12:25 **Luigi Santocanale and Yde Venema**

Uniform Interpolation for Monotone Modal Logic

12:25 – 13:00 **Katsuhiko Sano and Minghui Ma**

Goldblatt-Thomason-style Theorems for Graded Modal Language

13:00 – 15:00 *Lunch*

16:00 – 19:30 *Excursion (boat trip)*

19:30 *Conference Dinner*

Winter Garden

The New Building of the Presidium of the Russian Academy of Sciences
Leninsky Prospekt 32A

Friday, August 27

Conference Hall, 9-th floor

9:15 – 9:50 **Dmitrij Skvortsov**

A Remark on Propositional Kripke Frames Sound for Intuitionistic Logic

9:50 – 10:25 **Tomoyuki Suzuki**

Bi-approximation Semantics for Substructural Logic at Work

10:25 – 10:45 *Coffee*

10:45 – 11:45 *Invited Talk*

Mati Pentus

Complexity of the Lambek Calculus and Its Fragments

11:50 – 12:25 **Rajeev Goré, Linda Postniece and Alwen Tiu**

Cut-elimination and Proof Search for Bi-Intuitionistic Tense Logic

12:25 – 13:00 **Sara L. Uckelman and Spencer Johnston**

A Simple Semantics for Aristotelian Apodeictic Syllogistics

13:00 – 15:00 *Lunch*

15:00 – 15:20 **Larisa Maksimova**

Weak Interpolation Property over the Minimal Logic

15:20 – 15:40 **Evgenij Dashkov**

On Positive Fragments of Polymodal Provability Logic

15:40 – 16:00 **Patrick Girard and Jeremy Seligman**

Ceteris Paribus Logic

16:00 – 16:15 *Coffee*

16:15 – 16:50 **Marta Bílková, Ondrej Majer, Michal Peliš and Greg Restall**

Relevant Agents

16:50 – 17:20 *Coffee and Closing*