

## Tuesday, 30th August 2016

8:30 – 8:55: **Registration**

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### 9:00 – 10:00 Session 1 (Auditorium) – Invited talk

Chair: Lev Beklemishev

9:00 – 10:00 Modal Automata: Studying Fixpoint Logics one Step at a Time  
Yde Venema (ILLC, Universiteit van Amsterdam)

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10:00 – 10:30 **Coffee break**

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### 10:30 – 12:00 Session 2 (Auditorium)

Chair: Guram Bezhanishvili

10:30 – 11:00 The Tangled Derivative Logic of the Real Line and  
Zero-Dimensional Spaces  
Robert Goldblatt and Ian Hodkinson

11:00 – 11:30 The Succinctness of First-Order Logic over Modal Logic via a  
Formula Size Game  
Lauri Hella and Miikka Vilander

11:30 – 12:00 Axiomatizing a Real-Valued Modal Logic  
George Metcalfe, Denisa Diaconescu and Laura Schnüriger

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12:00 – 13:30 **Lunch**

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### 13:30 – 14:30 Session 3

Chairs: TBC

	Session 4A (Gellner room)	Section 4B (Popper room)
13:30–13:42	Brandenburger-Keisler Paradox Tatyana Ivanova and Dimiter Vakarelov	Computability of definability in the class of all KD45 frames Dimiter Georgiev
13:42–13:54	The length of distinguishing modal formulae Valentin Goranko and Louwe B. Kuijer	The Kripke sheaf completion of weak constant domain principle is not finitely axiomatizable Dmitrij Skvortsov
13:54–14:06	On the Completeness of EL-Equations: First Results Stanislav Kikot, Agi Kurucz, Yoshihito Tanaka, Frank Wolter and Michael Zakharyashev	A survey on Kearns' modal semantics without possible worlds Hitoshi Omori and Daniel Skurt
14:06–14:18	On modal logic of submodels Ilya Shapirovsky and Denis Saveliev	Beyond knowledge: when an agent imagines Joan Casas-Roma, Antonia Huertas and M. Elena Rodriguez
14:18–14:30	Questions	Questions

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### 14:40 – 15:40 Session 4 (Auditorium)

Chair: Sara Negri

14:40 – 15:10 A Paraconsistent View on B and S5  
Arnon Avron and Anna Zamansky

15:10 – 15:40 Synthetic Completeness Proofs for Seligman-Style Tableau Systems  
Klaus Frovin Joergensen, Patrick Blackburn, Thomas Bolander and Torben Braüner

15:40 – 16:00 **Coffee break**

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**16:00 – 19:00 Session 5 (Auditorium)**

**In Memoriam: Alexander V. Chagrov**

Organizers: Valentin Shehtman and Michael Zakharyashev

16:00 – 16:30 Alexander Chagrov and Modal Logic  
Valentin Shehtman

16:30 – 17:30 Modal logics of interval relations: a selective overview  
Valentin Goranko (Stockholm University)

17:30 – 17:40 **Coffee**

17:40 – 18:00 WS5 as a Metalogic of Superintuitionistic Multiple-Conclusion Consequence  
Relations  
Alex Citkin

18:00 – 18:30 Logics of Infinite Depth  
Marcus Kracht

18:30 – 19:00 Unification in Modal Logic ALT1  
Philippe Balbiani and Tinko Tinchev

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## Wednesday, 31th August 2016

### 9:00 – 10:00 Session 6 (Auditorium) – Invited talk

Chair: Valentin Shehtman

9:00 – 10:00 The Modal Logic of Topology: New Directions  
Guram Bezhanishvili (New Mexico State University)

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10:00 – 10:30: **Coffee break**

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### 10:30 – 12:30 Session 7 (Auditorium)

Chair: Stéphane Demri

10:30 – 11:00 It Ain't Necessarily So: On Contrapositive Negations  
Ori Lahav, João Marcos and Yoni Zohar

11:00 – 11:30 Axiomatizing the Lexicographic Products of Modal Logics with LTL  
Philippe Balbiani and David Fernández Duque

11:30 – 12:00 Propositional Dynamic Logic with Belnapian Truth Values  
Igor Sedlar

12:00 – 12:30 Decidable First-Order Modal Logics with Counting Quantifiers  
Christopher Hampson

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12:30 – 14:00: **Lunch**

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14:00 – 18:00 **Excursion to Szentendre**

## Thursday, 1st September 2016

### 9:00 – 10:30 Session 8 (Auditorium)

Chair: András Máté

- 09:00 – 09:30 *CEU Talk:* Modal Logic in the Quantified Argument Calculus  
Hanoch Ben-Yami (Central European University, Budapest)
- 09:30 – 10:00 Local Tabularity without Transitivity  
Ilya Shapirovsky and Valentin Shehtman
- 10:00 – 10:30 The Logic of Conditional Beliefs: Neighbourhood Semantics  
and Sequent Calculus  
Marianna Girlando, Sara Negri, Nicola Olivetti and Vincent Risch
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10:30 – 11:00 **Coffee break**

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### 11:00 – 12:30 Session 9 (Auditorium)

Chair: Philippe Balbiani

- 11:00 – 11:30 “Knowing Value” Logic as a Normal Modal Logic  
Tao Gu and Yanjing Wang
- 11:30 – 12:00 To Know is to Know the Value of a Variable  
Alexandru Baltag
- 12:00 – 12:30 A Canonical Model Construction for Intuitionistic Distributed Knowledge  
Gerhard Jäger and Michel Marti
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12:30 – 14:00: **Lunch**

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### 14:00 – 16:00 Session 10 (Auditorium)

Chair: Alexandru Baltag

- 14:00 – 14:30 About Intuitionistic Public Announcement Logic  
Philippe Balbiani and Didier Galmiche
- 14:30 – 15:00 Fully Arbitrary Public Announcements  
Hans van Ditmarsch, Wiebe Van Der Hoek and Louwe B. Kuijer
- 15:00 – 15:30 Locales, Nuclei, and Dragalin Frames  
Guram Bezhanishvili and Wesley Holliday
- 15:30 – 16:00 Before Announcement  
Philippe Balbiani, Hans van Ditmarsch and Andreas Herzig
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16:00 – 16:30 **Coffee break**

**16:30 – 18:00 Session 11**

Chairs: TBC

	Session 11A (Gellner room)	Section 11B (Popper room)
16:30-16:42	Gödel's incompleteness properties and the expressive quality of some modal-behaving logics Hajnal Andreka, Mohamed Khaled and Istvan Nemeti	Normal default rules as epistemic actions Michal Dancak and Michal Pelis
16:42-16:54	Algebraic semantics for logics with necessity and sufficiency Ivo Düntsch, Ewa Orłowska and Tinko Tinchev	Axiomatizing Modal Dependence Logics Fan Yang
16:54-17:06	Semi-Provability Predicates and Extensions of GL Fedor Pakhomov	Expressivity of Many-Valued Modal Logics, Coalgebraically Marta Bilkova and Matej Dostal
17:06-17:18	Big and small steps for fast and slow provability Paula Henk	The logic of Resources and Capabilities Giuseppe Greco, Marta Bilkova, Alessandra Palmigiano, Nachoem Wijnberg and Apostolos Tzimoulis
17:18-17:30	Free Boolean extensions of Heyting algebras Michal Stronkowski	Neighbourhood products of pretransitive logics with S5 Andrey Kudinov
17:30-17:42	Notes on the reduction property for GLP-algebras Lev Beklemishev	Agents, Roles and Rights. A Formal Analysis on Hohfeldian Conceptions Réka Markovich
17:42-17:54	Questions	Questions

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19:00 **Conference Dinner**

## Friday, 2nd September 2016

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### 9:00 – 10:00 Session 12 (Auditorium) – Invited talk

Chair: Stéphane Demri

9:00 – 10:00 Beliefs and Evidence in Justification Models  
Sonja Smets (ILLC, Universiteit van Amsterdam)

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10:00 – 10:30: **Coffee break**

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### 10:30 – 12:30 Session 13 (Auditorium)

Chair: Ilya Shaprivsky

10:30 – 11:00 The Logic of Where and While in the 13th and 14th Centuries  
Sara L. Uckelman

11:00 – 11:30 Classical and Empirical Negation in Subintuitionistic Logic  
Michael De and Hitoshi Omori

11:30 – 12:00 The Structure of the Lattice of Normal Extensions of Modal Logics  
with Cyclic Axioms  
Yutaka Miyazaki

12:00 – 12:30 Post Completeness in Congruential Modal Logics  
Peter Fritz

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12:30 – 14:00: **Lunch**

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## 14:00 – 14:36 Session 14

	Session 14A (Gellner room)	Section 14B (Popper room)
14:00-14:12	Herbrand's theorem for hybrid logic Diana Costa, Manuel A. Martins and João Marcos	On the Lambek calculus of the Kleene star and the exponential Stepan Kuznetsov
14:12-14:24	Temporal hybrid logics with the modalities "Tomorrow" and "Yesterday" Polina Vakhrusheva	Constructive anonicity for non-classical modal fixed-point logics Willem Conradie, Andrew Craig, Alessandra Palmigiano and Zhiguang Zhao
14:24-14:36	Canonical rules and formulas for PDL Julia Ilin	Temporal modal logic of intervals with relation 'before' Alexei Chizhov
14:36-14:40	Questions	Questions

## 14:45 – 16:15 Session 15 (Auditorium)

Chair: David Fernández-Duque

- 14:45 – 15:15 A Cut-Free Sequent Calculus for the Logic of Subset Spaces  
Birgit Elbl
- 15:15 – 15:45 Embedding Formalisms: Hypersequents and Two-Level Systems of Rules  
Agata Ciabattoni and Francesco A. Genco
- 15:45 – 16:15 A Focused Framework for Emulating Modal Proof Systems  
Sonia Marin, Dale Miller and Marco Volpe

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16:15 – 16:40 **Coffee break**

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## 16:40 – 18:10 Session 16 (Auditorium)

Chair: Yde Venema

- 16:40 – 17:10 Algebraic Semantics of Refinement Modal Logic  
Zeinab Bakhtiari, Hans van Ditmarsch and Sabine Frittella
- 17:10 – 17:40 Verification Logic: An Arithmetical Interpretation for Negative Introspection  
Juan Pablo Aguilera and David Fernández-Duque
- 17:40 – 18:10 Update, Probability, Knowledge and Belief  
Jan Van Eijck and Bryan Renne

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18:10 **AiML'16 closing**