

# AiML 2026 - Conference program

Preliminary version, updated 18 June 2026

## Invited Speakers

- ◆ Kit Fine (New York University)
- ◆ David Gabelaia (Razmadze Mathematical Institute)
- ◆ Mojtaba Mojtabehi (Ghent University)
- ◆ Aybüke Özgün (University of Amsterdam)
- ◆ Sara Uckelman (Durham University)

## Program Committee Chairs

- ◆ Marta Bilková (Czech Academy of Sciences)
- ◆ Yanjing Wang (Peking University)

## Organising Committee Chairs

- ◆ Malvin Gattinger
- ◆ Iris van der Giessen
- ◆ Marianna Girlando

University of Amsterdam  
29 June - 3 July 2026



Designed by Josje van der Laan, Idske Roest and Ziqi Wang

 UNIVERSITY  
OF AMSTERDAM

 INSTITUTE FOR LOGIC,  
LANGUAGE AND COMPUTATION

E.W. Beth  
Foundation



ASL

AiML 2026  
Advances in Modal Logic

# Monday 29 June

**9:00 - 9:15: Morning coffee**

**9:15 - 9:30: Opening @ room A0.01**

**9:30 - 10:30: Invited talk @ room A0.01, chair: Hans van Ditmarsch**

9:30 - 10:30: *Aybüke Özgün*, The Method of Thought Experiments: Probability and Counterfactuals

**10:30 - 11:00: Coffee break**

**11:00 - 12:40: Contributed talks - Relations and relevance @ room A0.01, chair: Igor Sedlár**

- 11:00 - 11:25: Coequivalence Relations and Descent in Modal Logic, *Rodrigo Nicolau Almeida, Matteo De Berardinis*
- 11:25 - 11:50: Possibly Relevant Translations, *Søren Brinck Knudstorp*
- 11:50 - 12:15: Hyperformalism for Relevant Modal Logics, *Thomas Ferguson, Shay Logan*
- 12:15 - 12:40: On Interpretations of Normal Modal Logics, *Lev Dvorkin (online)*

**12:40 - 14:15: Lunch break**

**14:15 - 15:55: Contributed talks - Generalised semantics @ room A0.01, chair: Yu Wei**

- 14:15 - 14:40: A General Theory of Propositional Modal Bundled Modalities, *Yifeng Ding, Yuanzhe Yang*
- 14:40 - 15:05: Modal Measurable Logics via a Modal Loomis-Sikorski Representation Theorem, *Nick Bezhanishvili, Jim de Groot, Larry Moss*
- 15:05 - 15:30: Non-finite Axiomatizability of Generalized Medvedev Logics, *Han Xiao*
- 15:30 - 15:55: Ultrafilter Extensions for Veltman Semantics, *Fèlix Frigola González, Joost J. Joosten, Vicent Navarro Arroyo, Cosimo Perini Brogi*

**15:55 - 16:30: Coffee break**

**16:30 - 17:30: Short talks (parallel sessions)**

**Session A @ room A2.08, chair: Fan Yang**

- 16:30 - 16:45: A New Positive Free Modal Logic with Definite Descriptions, *Takahiro Sawasaki, Yaroslav Petrukhin*
- 16:45 - 17:00: On Local Finiteness of Modal K4 Algebras, *Gabriel Agnew*
- 17:00 - 17:15: Modal Logic in the Middle Ages, *Wolfgang Lenzen*

**Session B @ room A2.10, chair: Roman Kontchakov**

- 16:30 - 16:45: On the Proof Theory of the Constructive  $\mu$ -Calculus, *Luca Sauter, Gianluca Curzi, Graham E. Leigh*
- 16:45 - 17:00: The Good News Translation, *Timo Franssen, Søren Brinck Knudstorp*
- 17:00 - 17:15: Model Checking for Distributed Knowing How, *Ziqi Wang*
- 17:15 - 17:30: On the Computability-Theoretic Complexity of Model Checking in S5, *Roberto Rizzi, Luca San Mauro*

**17:30 - 19:30 Welcome reception @ De Brug, Roeterseiland campus**

## Tuesday 30 June

### 9:00 - 10:40: Contributed talks - Proof theory @ room A0.01, chair: Roman Kuznets

- 9:00 - 9:25: Modal CEGAR-tableaux with RECAR and Resolution-based SAT-shortcuts, *Rajeev Goré, Cormac Kikkert (online)*
- 9:25 - 9:50: Uniform Interpolation of Basic Tense Logic, *Katsuhiko Sano*
- 9:50 - 10:15: Uniform Lyndon Interpolation via Non-wellfounded Proofs, *Borja Sierra Miranda, Thomas Studer*
- 10:15 - 10:40: A Gödel Modal Logic Over Witnessed Models, *Mauro Ferrari, Camillo Fiorentini, Paolo Giardini, Ricardo Oscar Rodriguez*

### 10:40 - 11:10: Coffee break

### 11:10 - 12:50: Contributed talks - Multimodal and inquisitive logics @ room A0.01, chair: Nicola Olivetti

- 11:10 - 11:35: On Modal Logics of Full Products of Neighborhood Frames, *Rajab Aghamov, Andrey Kudinov, Maik Nguyen, Jakob Piribauer*
- 11:35 - 12:00: Fusions of One-Variable First-Order Modal Logics, *Roman Kontchakov, Dmitry Shkatov, Frank Wolter*
- 12:00 - 12:25: Inquisitive Action Logic, *Ivano Ciardelli*
- 12:25 - 12:50: On the Expressive Power of Inquisitive Team Logic and Inquisitive First-Order Logic, *Juha Kontinen, Ivano Ciardelli*

### 12:50 - 14:15: Lunch break

### 14:15 - 15:55: Contributed talks - Intuitionistic modal logics @ room A0.01, chair: Mauro Ferrari

- 14:15 - 14:40: Intuitionistic K is a Bisimulation-invariant Fragment of Intuitionistic First Order Logic, *Jim de Groot, João Marcos, Rodrigo Stefanos*
- 14:40 - 15:05: Intuitionistic Justification Logic, Semantically, *Sonia Marin, Paaras Padhiar, Ian Shillito*
- 15:05 - 15:30: Intuitionistic Monotone Modal Logic: Proof Theory and Semantics, *Tiziano Dalmonte, Jim de Groot*
- 15:30 - 15:55: Taming Complexity in Intuitionistic Modal Logic: the Case of FIK and its Shallow Calculus, *Han Gao, Nicola Olivetti*

### 15:55 - 16:30: Coffee break

### 16:30 - 17:30: Invited talk @ room A0.01, chair: Yde Venema

16:30 - 17:30: *Kit Fine*, Modal Logic in the 1960's, 70's and 80's: Some Personal Reminiscences

### 17:45 - 18:45: Business meeting @ room A0.01

## Wednesday 1 July

**9:00 - 10:00: Invited talk @ room A0.01, chair: Joost J. Joosten**

9:00 - 10:00: *Mojtaba Mojtahedi*, Intuitionistic Provability Logic

**10:00 - 10:15: Coffee break**

**10:15 - 11:30 Contributed talks - Finiteness and definability @ room A0.01, chair: Guillaume Massas**

- 10:15 - 10:40: Logics Containing wK4: Selection à la Fine, *Niels Vooijs, Simon Santschi*
- 10:40 - 11:05: On Modal Logics of Connectedness in Metric Spaces, *John Harding, Ilya Shapirovsky*
- 11:05 - 11:30: Uniform Local Tabularity in Intuitionistic Logic, *Rodrigo Nicolau Almeida*

**11:30 - 11:45: Coffee break**

**11:45 - 13:00 Contributed talks - Algebra @ room A0.01, chair: TBA**

- 11:45 - 12:10: Pointed Modal Abelian Logic, Algebraically, *Filip Jankovec and Wolfgang Poiger*
- 12:10 - 12:35: Goldblatt-Thomason Theorem for Probability Logic, *Somayeh Chopoghloo, Massoud Pourmahdian, Reihane Zoghifard (online)*
- 12:35 - 13:00: On Strong Structural Completeness of Varieties and Quasivarieties, *Alex Citkin (online)*

**13:00 - 14:30: Lunch break**

**14:30 - 18:00: Excursions**

## Thursday 2 July

### 9:00 - 10:00: Invited talk @ room A0.01, chair: Thomas Ferguson

9:00 - 10:00: Sara Uckelman, What the history of modal logic can teach us about the future of modal logic

### 10:00 - 10:15: Coffee break

### 10:15 - 11:30 Contributed talks - Topology @ room A0.01, chair: Ilya Shapirovsky

- 10:15 - 10:40: Halo Semantics for Modal Logic, *Yoàv Montacute*
- 10:40 - 11:05: Topological Logics of Path-reachability, *Aleksandr Gagarin, David Fernández-Duque*
- 11:05 - 11:30: Non-classical Topological Evidence Logic, *Igor Sedlar*

### 11:30 - 11:45: Coffee break

### 11:45 - 13:00 Contributed talks - Epistemic logic @ room A0.01, chair: Sonja Smets

- 11:45 - 12:10: A Semantics for Belief in Simplicial Complexes, *Adam Bjorndahl, Philip Sink*
- 12:10 - 12:35: Better Understanding, Understanding Better, *Yu Wei*
- 12:35 - 13:00: Knowing-Value Logic with Successor Arithmetic, *Hongyi Wang*

### 13:00 - 14:30: Lunch break

### 14:30 - 15:45 Contributed talks - Dynamic epistemic logic @ room A1.03, chair: Valentin Goranko

- 14:30 - 14:55: Belief Contraction in Dynamic Epistemic Logic, *Gaia Belardinelli, Snow Zhang*
- 14:55 - 15:20: Resolving Asynchronous Distributed Knowledge, *Philippe Balbiani, Hans van Ditmarsch, Clara Lerouillois*
- 15:20 - 15:45: The Logic of Data Access and Data Exchanges, *Alexandru Baltag, Sonja Smets*

### 15:45 - 16:15: Coffee break

### 16:15 - 17:15: Short talks (parallel sessions)

#### Session C @ room A2.08, chair: Yifeng Ding

- 16:15 - 16:30: Unification and Admissible Rules for Modal Logics of Irreflexive Trees of Bounded Height, *Nikita Lukashov*
- 16:30 - 16:45: Local Semantics for Belief, *Djanira Gomes, Rojo Randrianomentsoa, Thomas Studer*
- 16:45 - 17:00: Logical Modeling of Belief Polarization, *Mina Young Pedersen, Sonja Smets*
- 17:00 - 17:15: Logics for Modelling and Reasoning About Concurrent Multiplayer Games with Admissibility of Action Profiles, *Valentin Goranko, Wei Wang*

#### Session D @ room A2.10, chair: Katsuhiko Sano

- 16:15 - 16:30: Second-order (Intuitionistic) Tense Logic, *Justus Becker, Anupam Das, Sonia Marin, Paaras Padhiar*
- 16:30 - 16:45: A Strongly Terminating Sequent Calculus for Kuznetsov-Muravitski Logic, *Mauro Ferrari, Camillo Fiorentini, Paolo Giardini*
- 16:45 - 17:00: Interpolation above S4, *Simon Santachi and Niels C. Vooijs*
- 17:00 - 17:15: Fischer-Servi Logic Does not Have Interpolation, *Rodrigo Nicolau Almeida, Nick Bezhanishvili, Simon Lemal*

### 18:30 - 22:00: Conference dinner @ Restaurant Pilek, <https://pilek.nl/>

## Friday 3 July

**9:30 - 10:30: Invited talk @ room A1.03, chair: Nick Bezhanishvili**

9:30 - 10:30: *David Gabelaia*, Spaces Wild and Tame: General Topological Semantics for Modal Logic

**10:30 - 11:00: Coffee break**

**11:00 - 12:40: Contributed talks - Labelled calculi, analytic cut and undecidability @ room A1.03, chair: Evangelia Antonakos**

- 11:00 - 11:25: Labelled Sequent Calculi for Propositional Team Logics, *Fausto Barbero, Marianna Girlando, Valentin Müller, Fan Yang*
- 11:25 - 11:50: Labelled Sequents for Inquisitive First-Order Modal Logic, *Ivano Ciardelli, Simone Conti*
- 11:50 - 12:15: Analytic Cut in Epistemic Logics with Distributed Knowledge, *Ryo Murai, Sizhuo Liu, Katsuhiko Sano*
- 12:15 - 12:40: Most Properties are Undecidable for Transitive Tense Logics, *Qian Chen, Tenyo Takahashi*

**12:40 - 14:15: Lunch break**

**14:15 - 15:55: Contributed talks - Conditionals @ room A1.03, chair: Ivano Ciardelli**

- 14:15 - 14:40: Conditionals and Modalities in Constructive Quantum Logics, *Juan P. Aguilera, Guillaume Massas*
- 14:40 - 15:05: Some Results on Causal Modalities in General Spacetimes, *Marco Lewis, Nesta van der Schaaf*
- 15:05 - 15:30: Stratified Counterpossible Logic, *Chen Huang, Xuefeng Wen*
- 15:30 - 15:55: Relational Semantics for Flat Heyting-Lewis Logic, *Jim de Groot, Tadeusz Litak*