

AiML 2026 - Conference program

See <https://events.illc.uva.nl/aiml2026/Program/> for the latest version.

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

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

9:30 - 10:30: Invited talk @ room A0.01, chair: TBA

9:30 - 10:30: *Aybüke Özgün*, TBA

10:30 - 11:00: Coffee break

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

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

12:40 - 14:15: Lunch break

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

- 14:15 - 14:40: A General Theory of Propositional Modal Bundled Modalities, *Yifeng Ding, Yuanzhe Yang*
- 14:40 - 15:05: Halo Semantics for Modal Logic, *Yoàv Montacute*
- 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: TBA

- 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: The Good News Translation, *Timo Franssen, Søren Brinck Knudstorp*
- 17:15 - 17:30: Modal Logic in the Middle Ages, *Wolfgang Lenzen*

Session B @ room A2.10, chair: TBA

- 16:30 - 16:45: On the Proof Theory of the Constructive μ -Calculus, *Luca Sauter, Gianluca Curzi, Graham E. Leigh*
- 16:45 - 17:00: Second-order (Intuitionistic) Tense Logic, *Justus Becker, Anupam Das, Sonia Marin, Paaras Padhiar*
- 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 and 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: TBA

- 9:00 - 9:25: Modal CEGAR-tableaux with RECAR and Resolution-based SAT-shortcuts, *Rajeev Goré, Cormac Kikkert (online)*
- 9:25 - 9:50: Analytic Cut in Epistemic Logics with Distributed Knowledge, *Ryo Murai, Sizhuo Liu, 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 logics @ room A0.01, chair: TBA

- 11:10 - 11:35: Most Properties are Undecidable for Transitive Tense Logics, *Qian Chen, Tenyo Takahashi*
- 11:35 - 12:00: Uniform Interpolation of Basic Tense Logic, *Katsuhiko Sano*
- 12:00 - 12:25: On Modal Logics of Full Products of Neighborhood Frames, *Rajab Aghamov, Andrey Kudinov, Maik Nguyen, Jakob Piribauer*
- 12:25 - 12:50: Fusions of One-Variable First-Order Modal Logics, *Roman Kontchakov, Dmitry Shkatov, Frank Wolter*

12:50 - 14:15: Lunch break

14:15 - 15:15: Invited talk @ room A0.01, chair: TBA

14:15 - 15:15: *Kit Fine*, TBA

15:15 - 15:45: Coffee break

15:45 - 17:30: Contributed talks - Intuitionistic modal logics @ room A0.01, chair: TBA

- 15:45 - 16:10: Intuitionistic K is a Bisimulation-invariant Fragment of Intuitionistic First Order Logic, *Jim de Groot, João Marcos, Rodrigo Stefanos*
- 16:10 - 16:35: Intuitionistic Justification Logic, Semantically, *Sonia Marin, Paaras Padhiar, Ian Shillito*
- 16:35 - 17:00: Intuitionistic Monotone Modal Logic: Proof Theory and Semantics, *Tiziano Dalmonte, Jim de Groot*
- 17:00 - 17:25: Taming Complexity in Intuitionistic Modal Logic: the Case of FIK and its Shallow Calculus, *Han Gao, Nicola Olivetti*

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

Wednesday 1 July

9:00 - 10:00: Invited talk @ room A0.01, chair: TBA

9:00 - 10:00: *Mojtaba Mojtahedi*, TBA

10:00 - 10:15: Coffee break

10:15 - 11:30 Contributed talks - Constructive and quantum logic @ room A0.01, chair: TBA

- 10:15 - 10:40: Conditionals and Modalities in Constructive Quantum Logics, *Juan P. Aguilera and Guillaume Massas*
- 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)*

14:00 - 18:00 Excursions

Thursday 2 July

9:00 - 10:00: Invited talk @ room A0.01, chair: TBA

9:00 - 10:00: *David Gabelaia*, TBA

10:00 - 10:15: Coffee break

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

- 10:15 - 10:40: Modal Measurable Logics via a Modal Loomis-Sikorski Representation Theorem, *Nick Bezhanishvili, Jim de Groot and Larry Moss*
- 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: TBA

- 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: TBA

- 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: TBA

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

Session D @ room A2.10, chair: TBA

- 16:15 - 16:30: Unification and Admissible Rules for Modal Logics of Irreflexive Trees of Bounded Height, *Nikita Lukashov*
- 16:30 - 16:45: A strongly terminating sequent calculus for Kuznetsov-Muravitski Logic, *Mauro Ferrari, Camillo Fiorentini and 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 and Simon Lemal*

18:30 - 20:00 (TBC): Conference dinner @ Restaurant Pilek

Friday 3 July

9:30 - 10:30: Invited talk @ room A1.03, chair: TBA

9:30 - 10:30: *Sara Uckelman, TBA*

10:30 - 11:00: Coffee break

11:00 - 12:40: Contributed talks - Inquisitive logic @ room A1.03, chair: TBA

- 11:00 - 11:25: Inquisitive Action Logic, *Ivano Ciardelli*
- 11:25 - 11:50: Labelled Sequent Calculi for Propositional Team Logics, *Fausto Barbero, Marianna Girlando, Valentin Müller and Fan Yang*
- 11:50 - 12:15: On the Expressive Power of Inquisitive Team Logic and Inquisitive First-Order Logic, *Juha Kontinen, Ivano Ciardelli*
- 12:15 - 12:40: Labelled sequents for inquisitive first-order modal logic, *Ivano Ciardelli, Simone Conti*

12:40 - 14:15: Lunch break

14:15 - 15:55: Contributed talks - Conditionals @ room A1.03, chair: TBA

- 14:15 - 14:40: Logics Containing wK4: Selection à la Fine, *Niels Vooijs, Simon Santschi*
- 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*