

ASSOCIATION FOR SYMBOLIC LOGIC
2005-06 WINTER MEETING

The Hilton New York Hotel
New York, NY

December 27–29, 2005

Program committee: Melvin Fitting, Haim Gaifman (Chair), Alasdair Urquhart.

Registration for the meeting of the Eastern Division of the American Philosophical Association will be at the registration desk of the APA, in the Hilton. The desk will be open on: Tuesday, December 27, 3:00 pm to 10:00 pm, Wednesday, December 28, 9:00 am to 7:00 pm, Thursday, December 29, 9:00 am to 5:00 pm, and Friday, December 30, 9:00 am to noon. All ASL meeting participants are urged to register.

For the complete APA program of talks and activities, and general information visit: <http://www.apa.udel.edu/apa/divisions/eastern/index.html> and click on: “2005 Eastern Division Annual Meeting Program.”

Talks in the ASL meeting will be held in Concourse G of the Hilton Hotel.

The ASL Reception will take place on Wednesday, December 28, 5:15–7:15 pm in Concourse A in the Hilton.

TUESDAY, DECEMBER 27, EVENING, CONCOURSE G

- 7:00 – 8:00 p.m. **Contributed Talks**
- 7:00 – 7:20 p.m. **Grigori Mints**, *Extracting algorithms from non-effective cut elimination proofs.*
- 7:30 – 7:50 p.m. **Joel David Hamkins**, *The modal logic of forcing.*
- 8:00 – 11:00 p.m. **Recent Developments In Computer Science and Set Theory and their Philosophical Implications**
- 8:00 – 8:55 p.m. Invited Lecture: **Michael Rabin** (Department of Computer Science, Harvard University), *Randomization and non-transferable proofs.*
- 9:00 – 9:55 p.m. Invited Lecture: **Sergei Artemov** (Departments of Computer Science, Mathematics and Philosophy, CUNY Graduate Center), *Computer-aided proofs and their significance.*
- 10:00 – 10:55 p.m. Invited Lecture: **Peter Koellner** (Department of Philosophy, Harvard University), *Foundational aspects of modern set theory.*

WEDNESDAY, DECEMBER 28, AFTERNOON, CONCOURSE G

1:30 – 5:00 p.m. **Contributed Talks**

1:30 – 1:50 p.m. **Jonas Reitz**, *The Ground Axiom*.

1:50 – 2:10 p.m. **Thomas Johnstone**, *Indestructibility of strongly unfoldable cardinals*.

2:10 – 2:30 p.m. **Arnon Avron**, *A purely syntactic framework for formalizing set theories*.

2:40 – 3:00 p.m. **Roman Kuznets**, *On self-referentiality in modal logic*.

3:00 – 3:20 p.m. **Kenneth A. Presting**, *Embedding a cylindrical set algebra into a Boolean algebra*.

3:20 – 3:40 p.m. **Gohar Marikyan**, *Automation of inference in Martin-Löf's intuitionistic Type Theory*.

3:50 – 4:10 p.m. **Hidenori Kurokawa**, *Cut-elimination for a hypersequent calculus of intuitionistic logic with classical atoms*.

4:20 – 4:40 p.m. **Victoria Gitman**, *Can the proper forcing axiom provide a partial solution to the Scott set problem?*

4:40 – 5:00 p.m. **Yimu Yin**, *Quantifier elimination for the reals with a predicate for the powers of two*.

5:15 – 7:15 p.m. ASL Reception in Concourse A.

WEDNESDAY, DECEMBER 28, EVENING, CONCOURSE G

7:30 – 11:10 p.m. **Contributed Talks**

7:30 – 7:50 p.m. **Billy Joe Lucas**, *The logic of categorical moral reasoning*.

7:50 – 8:10 p.m. **Bryan Renne**, *Games, strategies and explicit knowledge*.

8:10 – 8:30 p.m. **Samer Salame***, **Eric Pacuit**, and **Rohit Parikh**, *Some results on adjusted winner*.

8:30 – 8:50 p.m. **Horacio Arló-Costa*** and **Rohit Parikh**, *Some non-normal logics of knowledge without logical omniscience*.

9:20 – 9:40 p.m. **Luis A. Urtubey**, *Coping with context effects on knowledge in a multi-agent setting*.

9:40 – 10:00 p.m. **Walter Carnielli**, *Deconstructing logics by means of possible-translations semantics*.

10:00 – 10:20 p.m. **Marcelo E. Coniglio**, *Meta-translations and fibring*.

10:30 – 10:50 p.m. **Srećko Kovač**, *Impossibilities, identities, and belief*.

10:50 – 11:10 p.m. **Walter Dean**, *Are procedures logical objects?*

THURSDAY, DECEMBER 29, EVENING CONCOURSE G

6:00 – 7:00 p.m. **Contributed Talks**

6:00 – 6:20 p.m. **Ivan Welty**, *Truth or logical consequence: Frege and Tarski on indirect proof*.

6:20 – 6:40 p.m. **Catarina Dutilh Novaes**, *Logic, symbols and icons*.

6:40 – 7:00 p.m. **John Mumma**, *A formal analysis of of Euclid's diagrammatic constructions*.

- 7:00 – 10:00 p.m. **Foundational Issues in Modern History of Mathematics and Logic**
- 7:10 – 8:05 p.m. Invited Lecture: **William Tait** (Department of Philosophy, University of Chicago), *The concept of intuition in Hilbert’s program and its later extensions.*
- 8:10 – 9:05 p.m. Invited Lecture: **Wilfried Sieg** (Department of Philosophy, Carnegie Mellon University), *Hilbert’s finitism and reductive structuralism.*
- 9:10 – 10:05 p.m. Invited Lecture: **Jeremy Avigad** (Department of Philosophy, Carnegie Mellon University), *Methodology and metaphysics in the development of Dedekind’s theory of ideals.*

APA Sessions and Talks of Interest to ASL Members

THURSDAY, DECEMBER 29

- 9:00 – 11:00 a.m. (II-A) Invited Papers: Centennial of Einstein’s Theory of Relativity, **Don Howard** (University of Notre Dame) and **Michael Friedman** (Stanford University).
- 9:00 – 11:00 a.m. (II-B) Invited Papers: Centennial of “On Denoting”, **Scott Soames** (University of Southern California) and **Stephen Neale** (Rutgers University).
- 9:00 – 10:00 a.m. (II-G) Colloquium: Numbers, **Cian Dorr** (University of Pittsburgh); **Karen Bennett** (Commentator, Princeton University), *Numbers and Electrons.*

FRIDAY, DECEMBER 30

- 11:15 – 1:15 p.m. (V-B) Invited Paper: Naive Truth Theory, **Michael Glanzberg** (Chair, University of California-Davis); **Hartry Field** (New York University); **Hannes Leitgeb** (Commentator, University of Salzburg).
- 1:30 – 4:30 p.m. (VI-A) Symposium: Fundamental Structure of the Universe, **Mathias Frisch** (Chair, University of Maryland); **David Albert** (Columbia University) and **Tim Maudlin** (Rutgers University); **Adam Elga** (Commentator, Princeton University).
- 1:30 – 4:30 p.m. (VI-J) Special Session arranged by the APA Committee on Philosophy and Computers, **Susan Stuart** (Chair, University of Glasgow).
- Ron Chrisley**, (University of Sussex), *What the Failure of Penrose’s Argument Against AI Tells Us About Computability.*
- Gordana Dodig-Crnkovic**, (Mälardalen University), *Semantic Information in System Modeling.*
- Peter Boltuc**, (University of Illinois-Springfield), *Computers contra Physicalism.*