

**ASSOCIATION FOR SYMBOLIC LOGIC  
2023 WINTER MEETING**

Boston, MA  
Joint Mathematics Meeting

January 6–7, 2023

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Program Committee: Dana Bartošová, Kirsten Eisenträger, James Freitag (chair) and Philipp Hieronymi.

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All ASL meeting participants must register for the JMM. Registration and additional information about the JMM, including a full schedule of talks is available at the 2023 JMM website <https://www.jointmathematicsmeetings.org/jmm>.

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The full ASL program with abstracts will be available at <http://aslonline.org/meet/>.

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The AMS Special Session *Definability, Computability and Model Theory: A Special Session dedicated to Gerald E. Sacks* organized by Nate Ackerman, Cameron Freer and Ted Slaman will be held on Wednesday January 4, 8:00am–11:50am and 1:00pm–5:50pm and Thursday January 6, 8:00am–11:50am.

The ASL Special Session on *Tame Geometry and Applications to Analysis* is organized by Alexi Block Gorman will be held on Thursday January 5, 8:00am–11:50am.

The ASL Special Session on *Model-theoretic and Higher Infinite Methods in Descriptive Set Theory Related Areas* organized by Alexander Kechris, Rehana Patel, Alejandro Poveda and Assaf Shanni will be held on Thursday January 5, 1:00pm–4:50pm.

Sylvy Anscombe will give the ASL Tutorial *Hilberts's Tenth Problem: between logic and number theory*. This two part tutorial is the first in a new annual event for the ASL at the JMM. The tutorial lectures will be held on Wednesday January 4, 9:00am–10:00am and 1:00pm–2:00pm.

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FRIDAY, JANUARY 6  
Room 306 Hynes Convention Center

Morning

- 9:00 – 9:50 Invited Lecture: **Peter Cholak** (Notre Dame), *On Ramsey-like theorems on the rationals and the Rado graphs*.
- 10:00 – 10:50 Invited Lecture: **Franziska Jahnke** (Münster), *Model theory of perfectoid fields*.

Afternoon

- 1:00 – 1:50 Invited Lecture: **Assaf Shani**(Harvard), *Classifying invariants for Borel equivalence relations.*
- 2:00 – 2:50 Invited Lecture: **Lynn Scow** (Cal State San Bernardino), *Semi-retractions and the Ramsey property.*
- 3:00 – 3:50 Contributed Talks: *see page 2.*

SATURDAY, JANUARY 7  
Room 306 Hynes Convention Center

Morning

- 9:00 – 9:50 Invited Lecture: **Sandra Müller** (TU Wien), *Universally Baire sets, determinacy, and inner models.*
- 10:00 – 10:50 Invited Lecture: **Jeremy Avigad** (Carnegie Mellon), *The promise of formal mathematics.*

Afternoon

- 1:00 – 1:50 Invited Lecture: **Erik Walsberg** (UC Irvine), *Model theory of large fields.*

CONTRIBUTED TALKS  
Room 306 Hynes Convention Center

Contributed Talks, Friday January 6

- 3:00 – 3:20 **Athar Abdul-Quader**, (SUNY Purchase), *Arithmetically saturated models of PA and disjunctive triviality.*
- 3:30 – 3:50 **Daniel Mourad**, (University of Connecticut), *Computing non-repetitive sequences using the Lovász Local Lemma.*
- 4:00 – 4:20 **Jananan Arulseelan**, (McMaster University), *The undecidability of having the QWEP.*
- 4:30 – 4:50 **Carl Mummert**, (Marshall University), *Reverse math and Banach's theorem.*
- 5:00 – 5:20 **Katalin Bimbó**, (University of Alberta), *Embedding of De Morgan monoids into Boolean lattices.*
- 5:30 – 5:50 **Dan Turetsky** (Victoria University, Wellington), *Limit complexities and minimal descriptions.*