

ASSOCIATION FOR SYMBOLIC LOGIC

2017 Joint Mathematics Meeting

Hyatt Regency Atlanta and Marriott Atlanta Marquis
Atlanta, GA

January 6-7, 2017

Program Committee: Johanna Franklin, Isaac Goldbring, Christian Rosendal (Chair).

All ASL meeting participants are urged to register. The URL for advance registration for the JMM can be found at

www.jointmathematicsm meetings.org/meetreg?meetnum=2180.

The Registration Desk for JMM will be located Lower Level 2 of the Hyatt Regency Atlanta.

All talks in the ASL meeting will be held in Room A707, Atrium Level, Marriott Marquis Atlanta.

The ASL Reception will take place on Friday, January 6th, 2017, 6:00 - 8:00 pm in Room L404 at the Marriott Marquis.

FRIDAY, JANUARY 6

Room A707, Atrium Level, Marriott Marquis Atlanta

Morning

- 9:00 – 9:50 Invited Lecture: **Henry P. Towsner** (University of Pennsylvania),
Hypergraph regularity, ultraproducts, and a game semantics.
- 10:00 – 10:50 Invited Lecture: **Clinton Conley** (Carnegie Mellon University),
Measurable chromatic numbers.

Afternoon

- 1:00 – 1:50 Invited Lecture: **Alexandra Shlapentokh** (East Carolina University), *On existential definability of c.e. sets over function rings of characteristic 0.*
- 2:00 – 2:50 Invited Lecture: **Matthew Foreman** (University of California, Irvine),
Applications of descriptive set theory to the classification of measure preserving diffeomorphisms of the torus.
- 3:00 – 5:50 Contributed Talks, Session I: *see page 2.*

Evening

- 6:00 – 8:00 ASL Reception in Room L404 at the Marriott Marquis.

SATURDAY, JANUARY 7
Room A707, Atrium Level, Marriott Marquis Atlanta

Morning

- 9:00 – 9:50 Invited Lecture: **Alfred R Dolich** (Kingsborough Community College and The Graduate Center (CUNY)), *Expansions of divisible ordered abelian groups without the independence property.*
- 10:00 – 10:50 Invited Lecture: **Linda Brown Westrick** (University of Connecticut), *Computation and information in sofic shifts.*
- 11:00 – 11:50 Invited Lecture: **Rahim Moosa** (University of Waterloo), *An application of model theory to noncommutative algebra.*

Afternoon

- 1:00 – 4:20 Contributed Talks, Session II: *see below.*

CONTRIBUTED TALKS

Contributed Talks, Session I

- 3:00 – 3:20 **Timothy Trujillo**, *Parametrizing by the Ellentuck space.*
- 3:30 – 3:50 **Iain Smythe**, *Madness in vector spaces.*
- 4:00 – 4:20 **Francis Adams**, *Ideals of compact anticliques in Borel graphs.*
- 4:30 – 4:50 **Katalin Bimbó**, *Multisets, a ternary relation and decidability.*
- 5:00 – 5:20 **David Milovich**, *Amalgamating many Boolean algebras.*
- 5:30 – 5:50 **Maarten McKubre-Jordens***, **Erik Istre**, *A proof-theoretic solution to the set-theoretic paradoxes.*

Contributed Talks, Session II

- 1:00 – 1:20 **Carl Mummert**, **Sean Sovine***, *Weihrach reducibility and finite dimensional subspaces.*
- 1:30 – 1:50 **Oscar Levin**, *Graph labelings and computability theory.*
- 2:00 – 2:20 **Seth Harris**, *On-line algorithms and reverse mathematics.*
- 2:30 – 2:50 **Chris Laskowski**, **Christopher S. Shaw***, *Skolem functions for a weakly o-minimal structure with a new convex predicate.*
- 3:00 – 3:20 **Stephen Flood**, **Matthew Jura***, **Oscar Levin**, **Tyler Markkanen**, *The reverse mathematics of a theorem of Steffens.*
- 3:30 – 3:50 **Joachim Mueller-Theys**, *A mathematical linguistics.*
- 4:00 – 4:20 **Dan E. Willard**, *On introducing a new θ primitive into Arithmetic's formalism.*