ASSOCIATION FOR SYMBOLIC LOGIC
2007-08 WINTER MEETING

San Diego Convention Center
San Diego, California

January 8-9, 2008

Program committee: Jeffrey Remmel (Chair), Christian Rosendal, and Thomas Scanlon.

The AMS-ASL registration desk for the Joint Mathematics Meeting will be located in Hall B1 of the San Diego Convention Center. All ASL meeting participants are urged to register.

The Joint Mathematics Meetings includes the AMS/ASL co-sponsored Special Session on **Set Theory and Banach Spaces** to be held January 6 (Sunday) and January 7 (Monday). The schedules for these sessions appear on page 4 of this program.

Other sessions also may be of interest to logicians, including but not limited to the AMS Special Session on the **The Mathematics of Information and Knowledge**. See the JMM Program for the schedules.

Talks in the ASL meeting will be held in Room 1A and the AMS-ASL special session will be held in Room 17B.

The ASL Reception will take place on Tuesday, January 8, 6:00-7:00pm in the Cardiff Room at the Marriott Hotel next to the Convention Center.

TUESDAY, JANUARY 8
Room 1A, San Diego Convention Center

Morning

9:00 – 9:50	Invited Lecture: **Gregory L. Cherlin** (Rutgers University), *Model theory and algebraic groups.*
10:00 – 10:50	Invited Lecture: **Victor W. Marek** (University of Kentucky), *Answer Set Programming.*

Afternoon

1:00 – 1:50	Invited Lecture: **Ilijas Farah** (York University), *Applications of set theory to operator algebras.*
2:00 – 5:10	Contributed Talks, Session I: *See page 3.*
6:00 – 7:00	ASL Reception in the Cardiff Room at the Marriott Hotel.

WEDNESDAY, JANUARY 9
Room 1A, San Diego Convention Center

Morning

8:00 – 8:45	Contributed Talks, Session II: *See page 3.*
9:00 – 9:50	Invited Lecture: **Pavel Hrubes** (Czech Academy of Science), *Proof complexity after NP $\neq$ coNP.*
10:00 – 10:50	Invited Lecture: **Jan Riemann** (University of California, Berkeley), *Measures and their random reals.*

Afternoon

1:00 – 1:50	Invited Lecture: **Simon Thomas** (Rutgers University), *A descriptive view of geometric group theory.*
2:00 – 5:35	Contributed Talks, Session III: *See page 3.*

CONTRIBUTED TALKS - SESSION I

Tuesday, January 8
Room 1A, San Diego Convention Center

2:00 – 2:20 **Sara Quinn**, *Turing computable embeddings into p-groups.*
2:25 – 2:45 **Russell Miller**, *The degree of categoricity for an algebraic number field.*
2:50 – 3:10 **Jeffry L. Hirst**, *Reverse mathematics and Gödel's Dialectica interpretation.*
3:15 – 3:35 **Johanna N.Y. Franklin**, *Genericity and Schnorr triviality.*
4:00 – 4:20 **Brooke Andersen**, *A new notion of reducibility.*
4:25 – 4:45 **Carl Mummert* and Frank Stephan**, *Topological aspects of poset spaces.*
4:50 – 5:10 **Peter M. Gerdes**, *Sets with a non-uniform self-modulus.*

CONTRIBUTED TALKS - SESSION II

Wednesday, January 9
Room 1A, San Diego Convention Center

8:00 – 8:20 **Sandro Skansi**, *On Russell's mathematical philosophy: Is also set theory a part of philosophy?*
8:25 – 8:45 **Matthew Jackson**, *Integration and differentiation in elementary topos.*

CONTRIBUTED TALKS - SESSION III

Wednesday, January 9
Room 1A, San Diego Convention Center

2:00 – 2:20 **Ermek S. Nurkhaidarov**, *On maximal subgroups of the automorphism group of a countable arithmetically saturated model of PA.*
2:25 – 2:45 **Brian Wynne**, *More on decidable theories of l-groups of continuous functions.*
2:50 – 3:10 **Grigori Mints* and Tomohiro Hoshi**, *Parameterization in monadic logic.*
3:15 – 3:35 **Dan E. Willard**, *On the Second Incompleteness Theorem and empirical stability.*
4:00 – 4:20 **John Bourke**, *Results on off-branch numbers and other invariants.*
4:25 – 4:45 **Dima Sinapova**, *A model with a very good scale and a bad scale.*
4:50 – 5:10 **Katalin Bimbó**, *Semantics for positive entailment and for entailment.*
5:15 – 5:35 **Allen L. Mann**, *Independence-friendly cylindric set algebras.*

AMS-ASL SPECIAL SESSION

Set Theory and Banach Spaces

Organizers: Christian Rosendal and Stevo B. Todorcevic

Room 17B, San Diego Convention Center

January 6-7, 2008

Session I
Room 17B, San Diego Convention Center
Sunday, January 6

8:00 – 8:40	**Pandelis Dodos**, *Classes of Banach spaces admitting small universal spaces.*
9:00 – 9:40	**Edward W. Odell**, *Some problems in Banach spaces.*
10:00 – 10:40	**Maciej Malicki and Slawomir Solecki***, *Isometry groups of separable metric spaces.*

Session II
Room 17B, San Diego Convention Center
Sunday, January 6

2:15 – 2:55	**Alexander S. Kechris**, *Global aspects of ergodic group actions and equivalence relations.*
3:15 – 3:55	**Su Gao, Steve Jackson, and Bunyamin Sari***, *On the complexity of uniform homeomorphisms of Banach spaces.*
4:15 – 3:55	**Jordi Lopez-Abad, Lionel Nguyen Van Thé* and Norber Sauer**, *Oscillation stability from a metric point of view.*
5:15 – 5:55	**Edward W. Odell, Thomas B. Schlumprecht*, and Andras Zsak**, *Banach spaces and bounded Szlenk index.*

Session III
Room 17B, San Diego Convention Center
Monday, January 7

8:00 – 8:40	**Jordi Lopez-Abad**, *On w^*-null sequences.*
9:00 – 9:40	**Nigel J. Kalton**, *Banach spaces universal for all separable strictly convex spaces.*
10:00 – 10:40	**Asger D. Tornquist**, *Definable Davies' theorem.*
11:00 – 11:40	**Stephen J. Dilworth*, E. Odell, Thomas Schlumprecht, and Andras Zsak**, *Partial unconditionality.*