

2004–05 WINTER MEETING
OF THE ASSOCIATION FOR SYMBOLIC LOGIC

Atlanta Marriott Marquis, Atlanta, Georgia
January 7–8, 2005

A Winter Meeting of the Association for Symbolic Logic was held on January 7–8, 2005 at the Atlanta Marriott Marquis, in conjunction with the annual Joint Mathematics Meetings. The members of the Program Committee were Renling Jin, Akihiro Kanamori (Chair), and Alexandra Shlapentokh. The program included seven invited 50-minute talks and eight contributed talks. The ASL hosted a welcoming reception on January 7th at the Magnolia Room of the Atlanta Marriot Marquis. The ASL sponsored a subsession of the AMS-MAA-MER Special Session on Mathematics and Education Reform, **Mathematical Logic in the Undergraduate Curriculum**, organized by J. Hirst, on January 5th. In addition, on January 6–7, prior to the ASL meeting, there was a joint AMS–ASL Special Session, **Reverse Mathematics**, organized by J. Hirst and R. Solomon. On January 6th there also was joint AMS-ASL sponsored Panel Discussion, **The Continuum Hypothesis Revisited: New Perspectives**, featuring Paul J. Cohen, Donald A. Martin, and W. Hugh Woodin, and moderated by Keith Devlin.

The 50-minute delivered invited addresses were:

Matthias Aschenbrenner (University of Illinois at Chicago), *Asymptotic differential algebra*.

Alexander Berenstein (University of Illinois at Urbana), *Generic groups of automorphisms of probability spaces and Hilbert spaces*.

Andres Caicedo, (Institut für formale Logik, Vienna), *Projective well-orderings of the reals*.

Joseph Mileti (University of Chicago), *Partition theorems and computability theory*.

Bjorn Poonen (University of California at Berkeley), *Extensions of Hilbert's Tenth Problem*.

W. Hugh Woodin (University of California at Berkeley), *Structural equivalences for the determinacy of real games*.

Tetsuya Ishiu (University of Kansas, Lawrence) was unable able to attend, and his invited 50-minute talk, *The non-stationary ideal and club guessing ideals*, had to be cancelled.

Abstracts of the invited talks and contributed talks given (in person or by title) by members of the Association for Symbolic Logic follow.

For the Program Committee
AKIHIRO KANAMORI

Abstracts of invited talks

- MATTHIAS ASCHENBRENNER, *Asymptotic differential algebra*.
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