

XV LATIN AMERICAN SYMPOSIUM ON MATHEMATICAL LOGIC
(SLALM 2012)

SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

Bogotá, Colombia
June 4–8, 2012

The Fifteenth Latin-American Symposium on Mathematical Logic was held at the Universidad de los Andes in Bogotá, Colombia, June 4–9, 2012. The symposium was preceded by three tutorial courses in model theory, set theory, and algebraic logic presented at the Universidad Nacional de Colombia, May 30–June 2. About 110 researchers and students from Latin America and other continents participated in the meeting.

The Symposium had the scientific sponsorship of the Association for Symbolic Logic and the two host universities. It received financial support from these institutions and from the U.S. National Science Foundation, the International Mathematical Union (IMU), COLCIENCIAS, the Academia Colombiana de Ciencias Exactas, Físicas y Naturales, the Universidad Sergio Arboleda, and the Universidad Antonio Nariño.

The Program Committee included: Xavier Caicedo (Universidad de los Andes, Bogotá, Chair), Walter Carnielli, (Universidade Estadual de Campinas (UNICAMP), Brazil), Roberto Cignoli (Universidad de Buenos Aires), Carlos Di Prisco (IVIC, Caracas), Rod Downey (Victoria University, Wellington), Angus Macintyre (Queen Mary College, London), Menachem Magidor (Hebrew University of Jerusalem), Francisco Miraglia (Universidade de São Paulo, Brazil), and Charles Steinhorn (Vassar College, New York).

The Organizing Committee included: Alexander Berenstein (Chair), Xavier Caicedo, Ramiro de la Vega, John Goodrick, Alf Onshuus (all from Universidad de los Andes, Bogotá); Andrés Villaveces, Fernando Zalamea (both from Universidad Nacional de Colombia, Bogotá); Carlos A. Di Prisco (IVIC), and José Iovino (University of Texas at San Antonio).

The following tutorials were offered:

Hans Adler (University of Vienna, Austria), *Recent developments in model theory.*

Andrés Eduardo Caicedo (Boise State University, Boise, USA), *Determinacy and inner model theory.*

Nikolaos Galatos (University of Denver, Colorado, USA), *Algebraic Logic: Algebraic Proof Theory.*

The Symposium program included thirteen invited plenary lectures. It also included twenty-eight invited talks in four special sessions: Algebraic and Non-Classical Logics, Model Theory, Recursion and Computer Science Logic, and Set Theory. Twenty short communications were also contributed to the meeting.

The following plenary lectures were delivered:

Josep Maria Font (University of Barcelona, Spain), *Logics preserving degrees of truth and the hierarchies of abstract algebraic logic.*