2011 EUROPEAN SUMMER MEETING
OF THE ASSOCIATION FOR SYMBOLIC LOGIC
LOGIC COLLOQUIUM '11

Barcelona, Catalonia, Spain
July 11–16, 2011

Logic Colloquium '11, the 2011 European Summer Meeting of the Association for Symbolic Logic, was hosted by the University of Barcelona from July 11 to July 16, 2011. The lectures were held at the Faculty of Philosophy of the University of Barcelona located in the heart of the city. Major funding for the conference was provided by the Association for Symbolic Logic (ASL), the U.S. National Science Foundation (NSF), the Generalitat de Catalunya, MICINN (Spanish Government), I-MATH Network (Spain), the University of Barcelona, and IMUB (Mathematics Institute of the University of Barcelona).

The success of the meeting was due largely to the hard work of the Local Organizing Committee under the leadership of its Chair, Joan Bagaria (Barcelona). The other members were David Asperó (Barcelona), Albert Atserias (Universitat Politècnica de Catalunya), Fèlix Bou (Barcelona), Enrique Casanovas (Barcelona), Víctor Dalmau (Universitat Pompeu Fabra), Pilar Dellunde (Universitat Autònoma de Barcelona), María Esteban (Barcelona), Ramon Jansana (Barcelona), Joost Joosten (Barcelona), Daniel Palacín (Barcelona), Joris Potier (Barcelona), and David Virgili (Barcelona). The Program Committee consisted of Klaus Ambos-Spies (Heidelberg, Chair), Jeremy Avigad (Pittsburgh), Henk Barendregt (Nijmegen), Enrique Casanovas (Barcelona), Stephan Kreutzer (Oxford), Heike Mildenberger (Freiburg), Andrea Sorbi (Siena), Tinko Tinchev (Sofia), Albert Visser (Utrecht), and Boris Zilber (Oxford).

The main conference topics were: *Computability Theory and Logic for Computer Science*, *Foundations of Mathematics and Philosophy of Logic*, *Model Theory*, *Proof Theory and Constructive Mathematics*, *and Set Theory*. The program included the Gödel lecture, two tutorial courses, thirteen invited plenary lectures, and twenty invited lectures in five special sessions. There were eighty-nine contributed papers and 214 participants from thirty-two countries. Twenty students and recent Ph.D.'s were awarded ASL travel grants, and four obtained awards from the ASL's NSF grant.

The Gödel lecture was delivered by Anand Pillay (University of Leeds), with the title: *First order theories*.

The following tutorial courses were given:

Georges Gonthier (Microsoft Research), *Formal mathematics in practice*.
Martin Ziegler (Universität Freiburg), *Hrushovski's amalgamation method*.

The following invited plenary lectures were presented:

Steve Awodey (Carnegie Mellon University), *Homotopy type theory*.
George Barmpalias (Chinese Academy of Sciences Beijing), *Chaitin's halting probability and the compression of strings using oracles*.
Lev D. Beklemishev (Steklov Mathematical Institute), *Topological semantics of provability logic*.