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## Foreword

The 28<sup>th</sup> Italian Conference on Computational Logic, CILC 2013, was hosted by the University of Catania from September 25<sup>th</sup> to September 27<sup>th</sup> 2013. The event was the 28<sup>th</sup> edition of the annual meeting organized by GULP (Gruppo ricercatori e Utenti Logic Programming). Since the first conference, which took place in Genoa in 1986, the annual conference organized by GULP is the most important occasion for meeting and exchanging ideas and experiences among Italian users, researchers and developers, who work in the field of computational logic.

The program included 24 technical papers accepted for presentation (17 for long presentation and 7 for short presentation). Authors were mainly affiliated to Italian universities, but some of them belonged to universities of other countries (Mexico, France, Argentina, Finland, Iceland, Spain, and United States). Paper selection was made by peer reviewing: each submitted paper was assigned to at least three members of the Program Committee, who in many cases availed themselves of the help of external referees.

Technical presentations concerned several different topics related to computational logic, including verification of logic programs, answer set programming, proof and decision systems for several non-classical logics, computable set theory, machine learning. The quality of the technical contributions confirms that the Italian community of computational logic is lively and active.

The program included also three invited talks and a tutorial. The invited talks were given by Maria Paola Bonacina, who reviewed recent trends and current developments on model-based reasoning; by Eugenio G. Omodeo, who illustrated the state-of-the-art of proof-verification technology based on set theory and surveyed the proof checker *ÆtnaNova/Referee*; and by Alberto Policriti, who presented the result on the decidability of the satisfiability problem for the class of purely universal formulae in set theory. The tutorial was given by Joanna Golińska-Pilarek, who presented specific methodological principles of constructing relational dual tableaux, also illustrating their applications to non-classical logics.

A selection of the accepted papers will appear in a special issue of a scientific journal. The complete program, with links to full papers and presentation slides, is available at <http://www.dmi.unict.it/~cilc2013/en/programma.html>.

We wish to thank all who contributed to the success of this edition, including authors, speakers, reviewers, participants, organizers, and sponsors.

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