

# Preface

The Italian Conference on Theoretical Computer Science (ICTCS) is the conference of the *Italian Chapter of the European Association for Theoretical Computer Science* (IC-EATCS), that takes place every three years. The conference aims at enabling computer scientists, especially young researchers, to enter the EATCS community and to exchange ideas and results, as well as theory based practical experiences and tools in computer science.

This was the seventh Italian Conference on Theoretical Computer Science, and its main topics included analysis of algorithms, automata, computability, computational complexity, cryptography, data types and structures, design of algorithms, formal languages, foundations of functional programming, foundations of logic programming, new computing paradigms, parallel and distributed computation, program specification, program verification, term rewriting, theory of concurrency, theory of data bases, theory of logical design and layout, theory of robotics, theory of knowledge bases, type theory, semantics of programming languages, security, and symbolic and algebraic computation.

ICTCS 2001 was held in Turin, Italy, October 4–6, 2001. Previous conferences took place in Pisa (1972), Mantova (1974 and 1989), L’Aquila (1992), Ravello (1995), and Prato (1998).

The Program Committee selected 25 papers out of 45 submissions, all of them in electronic format. Their authors are from 11 countries, from all over the world. Each submission was sent to three Program Committee members, assisted by their own referees.

The selection meeting took place as an electronic forum. To permit a deeper evaluation of the papers, the Program Committee split them into two subject areas for the preliminary discussion, according to the two tracks of the Journal of Theoretical Computer Science which are “Algorithms, automata, complexity, and games”, and “Logic, semantics, and theory of programming”, and which reflect the main division in research topics within the community. Then, to preserve the unifying aspects of the research in theoretical computer science, all the papers were evaluated again and all the decisions were taken together.

We would like to warmly thank all the people who submitted their papers to the conference, the Program Committee members, and their referees for their invaluable contribution.

July 2001

Antonio Restivo, Simona Ronchi Della Rocca, and Luca Roversi

# Organization

ICTCS 2001 was organized under the auspices of the European Association of Theoretical Computer Science, and the European Educational Forum, with the financial support of the University of Turin, Faculty of Mathematical, Physical & Natural Science, and Computer Science Department

Organizing Committee: Viviana Bono, University of Turin  
Ferruccio Damiani, University of Turin  
Mariangiola Dezani (Chair), University of Turin  
Luca Roversi, University of Turin  
Stefano Berardi, University of Turin  
Ugo de'Liguoro, University of Turin  
Paola Giannini, University of Alessandria

Technical support: Bruno Graziano, University of Turin  
Simone Donetti, University of Turin  
Paolo Pasteris, University of Turin

Administrative support: Daniela Costa, University of Turin  
Claudia Goggioli, University of Turin

## Program Committee

Andrea Asperti	Università di Bologna
Bruno Codenotti	University of Pisa
PierPaolo Degano	University of Pisa
Moreno Falaschi	University of Udine
Giuseppe F. Italiano	University of Rom
Linda Pagli	University of Pisa
Simona Ronchi Della Rocca (Co-chair)	University of Turin
Alberto Bertoni	University of Milan
Clelia De Felice	University of Salerno
Rocco De Nicola	University of Florence
Paola Inverardi	Università dell'Aquila
Eugenio Moggi	University of Geneva
Antonio Restivo (Co-chair)	University of Palermo
Ugo Vaccaro	University of Salerno

## Referees

Riccardo Solmi	Alessandro Provetti
Beatrice Palano	Brunella Gerla
Claudio Gentile	Giovanni Pighizzini

Silvio Ghilardi  
Massimiliano Goldwurm  
Massimo Santini  
Gianluca De Marco  
Giovanni Resta  
Adele Rescigno  
Margherita Napoli  
Domenico Parente  
Clemente Galdi  
Ivan Visconti  
Vincenzo Auletta  
Jean-Marc Champarnaud  
Jean Berstel  
Marcella Anselmo  
Flavio Corradini  
Giovanni Manzini  
Simone Martini  
Gianluigi Ferrari  
Andrea Masini  
Francesca Levi  
Vincenzo Manca  
Michele Boreale  
Rosario Pugliese  
Michele Loreti  
Donatella Merlini  
Lorenzo Bettini  
Betti Venneri  
Agostino Dovier  
Maurizio Gabbrielli  
Paolo Coppola  
Fabio Alessi  
Pietro Di Gianantonio  
Marco Comini  
Massimo Franceschet  
Alberto Policriti  
Ivan Scagnetto  
Stefania Costantini

Benedetto Intrigila  
Eugenio Omodeo  
Zena Ariola  
Diletta Romana Cacciagrano  
Catuscia Palamidessi  
Thierry Coquand  
Cosimo Laneve  
Marco Bozzano  
Valentina Ciriani  
Fabio Gadducci  
Maurizio Bonuccelli  
Giuseppe Prencipe  
Mireille Reigner  
Pierluigi Frisco  
Anna bernasconi  
Fabrizio Luccio  
Filippo Mignosi  
Vito Di Ges  
Giancarlo Mauri  
Rosalba Zizza  
Sabrina Mantaci  
Marinella Sciortino  
Bruno Crispo  
Francesco Bergadano  
Davide Cavagnino  
Ferruccio Damiani  
Franco Barbanera  
Jeremy Sproston  
Luisa Gargano  
Annalisa De Bonis  
Ferdinando Cicalese  
Gaia Nicosia  
Michele Flammini  
Serafino Cicerone  
Antonio Di Nola  
Patrizio Cintio

## VIII Organization