

# Preface

The 19th Italian Conference on Theoretical Computer Science (ICTCS 2018) was held on September 18–20, 2018, in the center of Urbino, a walled city listed by UNESCO as a World Heritage Site, which was one of the capitals of Renaissance. ICTCS is the annual conference of the Italian Chapter of the European Association for Theoretical Computer Science (IC-EATCS). The purpose of the meeting is to foster the cross-fertilization of ideas stemming from different areas of theoretical computer science. In particular, it provides an ideal environment where junior researchers and PhD students can meet senior researchers. The topics of interest include agents, algorithms, argumentation, automata theory, complexity theory, computational logic, computational social choice, concurrency theory, cryptography, discrete mathematics, distributed computing, dynamical systems, formal methods, game theory, graph theory, knowledge representation, languages, model checking, process algebras, quantum computing, rewriting systems, security and trust, semantics, specification and verification, systems biology, theorem proving, and type theory.

ICTCS 2018 received 33 submissions (19 regular papers and 14 communications), of which 25 were accepted for presentation at the conference and then published on <http://ceur-ws.org/> (16 regular papers and 9 communications). Each submission was assessed by 3 reviewers, for a total of 58 reviewers (36 program committee members plus 22 additional reviewers) producing 99 reviews overall. The authors of the accepted contributions mostly came from Italy both in terms of nationality (83.87%) and affiliation (85.48%). Foreign authors came from Germany (3), The Netherlands (2), Brazil (2), Portugal (1), and USA (1).

ICTCS 2018 was attended by 40 people. In addition to the invited talks given by Rossella Petreschi and Davide Sangiorgi, as usual the conference included on its second day the IC-EATCS annual meeting and the award ceremony for the IC-EATCS best young researcher Nicola Prezza who gave an invited talk too, the IC-EATCS best PhD thesis by Michele Ciampi and Luisa Siniscalchi, and the best MSc thesis by Francesco Dagnino. The best PhD thesis award was entitled to the memory of Mattia Gastaldello. Moreover, on the first day there was a panel on past and future of the VQR – Italy’s national research assessment – chaired by Angelo Montanari, president of IC-EATCS, whose participants were Ciriaco Andrea D’Angelo, Andrea Marin, the rector of the University of L’Aquila Paola Inverardi, and the rector of the University of Urbino Vilberto Stocchi. Finally, on the third day a seminar in honour of Corrado Böhm took place, which was organized by Ugo de’ Liguoro and Benedetto Intrigila.

We conclude by thanking the program committee members, the additional reviewers, the invited speakers, the authors, and all the participants. Special thanks go to Angelo Montanari for his suggestions during the organization of the conference, Daniela Cini of Studio Synthesis for her logistic and administrative

support, and the Department of Pure and Applied Sciences (DiSPeA) of the University of Urbino for the financial support of the invited speakers.

Urbino, November 2018

Alessandro Aldini and Marco Bernardo

# Organization

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