

REPORT FROM THE ITALIAN CHAPTER

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ICTCS 2026

The 27th Italian Conference on Theoretical Computer Science (ICTCS 2026) was held in Udine, Italy, from the 7th to the 9th of September 2026 (<https://ictcs2026.uniud.it/>).



Participants at ICTCS 2026 in Udine.

ICTCS is the conference of the Italian Chapter of the European Association for Theoretical Computer Science and, besides being a forum for the exchange of ideas among researchers working in different areas of theoretical computer science, it provides an ideal environment where junior researchers and PhD students can meet senior researchers. ICTCS is open to researchers from all countries, who are welcome to submit papers and attend the conference.

This year we had 71 submissions. Of these, 44 papers were accepted, including 27 regular papers and 17 short papers. Each submission entering the peer-review process was assigned to at least three reviewers, and the review process resulted in a total of 209 reviews, 51 of which were provided by sub-reviewers.

Among the highest-weight relevant keyphrases identified by EasyChair were polynomial time, state preparation, block encoding, quantum state preparation, modal logic, reactive synthesis, probabilistic programs, regular languages, non-interference, directed edge-disjoint paths, fixed-length window, non-idempotent intersection types, Wheeler transducers, complexity classes, and temporal logic.

Most of the authors were affiliated with Italian universities. Authors affiliated with institutions outside Italy came from a wide range of countries, including

Austria, Belgium, Brazil, Canada, France, Germany, India, Israel, Japan, Kuwait, Poland, Portugal, Tunisia, the United Kingdom, and the United States of America, among others.

As a new feature of this edition, ICTCS 2026 introduced three special tracks devoted to significant application domains of theoretical computer science: Cyber-Physical Systems, Quantum Computing, and Bioinformatics. The aim was to attract contributions that, while motivated by applied research problems, address substantial theoretical questions.

The programme included the invited lectures of Parosh Aziz Abdulla (Uppsala University), who gave the talk “Quantum Circuit Verification: Challenges and Opportunities”, and Nadia Pisanti (University of Pisa), who gave the talk “Alignments to and among Degenerate Strings”.

The conference also hosted the annual meeting of the Italian Chapter of the European Association for Theoretical Computer Science. During the conference, the President of the Italian Chapter of EATCS, Blerina Sinimeri, presented the IC-EATCS awards.

IC-EATCS awards

The IC-EATCS Best Young Researcher Award was assigned to Giuseppe Perelli (Sapienza University of Rome), who gave the talk “Mechanism Redesign: Repairing Techniques for Synthesis and Rational Synthesis”.

The IC-EATCS Best PhD Dissertation Award was assigned to Matteo Russo (EPFL), who gave the talk “Adaptive and scalable algorithms for little, uncertain and strategic data”.

The IC-EATCS Best MSc Thesis Award was assigned to Beniamino Todone (University of Udine), who gave the talk “QAOA and Approximability”.

We wish to thank the Program Committee members, all the sub-reviewers, the invited speakers, the authors of the papers, and all the participants. We also gratefully acknowledge the support of Danieli Automation, beanTech, and the Department of Mathematics, Computer Science and Physics (DMIF) of the University of Udine.

The next edition of ICTCS is planned to be held at the University of Camerino. We look forward to welcoming the community to ICTCS 2027 in Camerino!