

32nd International Conference on Foundations of Software Technology and Theoretical Computer Science

FSTTCS 2012, December 15–17, 2012, Hyderabad, India

Edited by

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■ Preface

The 32nd international conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS 2012) was held at the International Institute of Information Technology, Hyderabad, from December 15 to December 17, 2012. This proceedings volume contains contributed papers and (extended) abstracts of invited talks presented at the conference.

FSTTCS is the annual flagship conference of the Indian Association for Research in Computing Science (IARCS). Over the past 32 years, the conference has consistently attracted top-quality submissions, and the legacy continued this year as well. We wish to thank all authors of submitted papers for helping make FSTTCS a competitive conference.

The selection of papers appearing in this volume owes a lot to the program committee consisting of 29 distinguished colleagues spread over seven countries. The program committee spent over two months evaluating the strengths and weaknesses of the 121 submissions received. In this, we received generous help from 183 external reviewers who together produced a total of 394 reviews. Every paper that was found within the scope of the conference was reviewed by at least 3 experts. After several rounds of elimination, we have put together a program consisting of 43 contributed papers and five invited talks. We are very grateful to the members of the program committee for contributing their valuable time for helping us in the critical task of selecting papers. We also thank all external reviewers for their detailed comments and critical assessment of papers.

In addition to the contributed works, the program featured talks by five eminent computer scientists. We are very grateful to Dimitris Achlioptas (University of Athens), Mikołaj Bojańczyk (Institute of Informatics, Warsaw University), Patrice Godefroid (Microsoft Research, Redmond), Madhusudan Parthasarathy (University of Illinois at Urbana-Champaign) and Yuval Rabani (The Hebrew University of Jerusalem) for agreeing to travel to the conference and share their insights.

Paper submission, reviewing and program committee discussions for the conference were managed using EasyChair. We wish to thank the EasyChair team for making this excellent service available to us, and for ensuring that the reviewing, discussion and paper management processes went smoothly.

As with the past editions of the conference, FSTTCS 2012 has interesting associated events. We are grateful to K. Narayan Kumar and Anil Seth for helping us organize the post-conference workshop on Verification of Infinite-State Systems. We also thank the speakers who agreed to participate in the workshop: Mohamed Faouzi Atig, Alain Finkel, Gennaro Parlato, Nishant Sinha, and Parosh Aziz Abdulla. In addition, we are grateful to Ravi Kannan, Satya Lokam and P.J. Narayanan for organising the joint MSR-IIIT winter school on Theoretical Computer Science, and thank the speakers at the winter school: Sanjeev Arora, Cnythia Dwork, Ravi Kannan, and R. Ravi.

We would like to thank IIIT Hyderabad for hosting FSTTCS 2012. We gratefully acknowledge the immense efforts of the administration, faculty, staff, and students of IIIT Hyderabad, especially the members of the organizing committee, over the past year in planning, coordinating and running various aspects of the conference, including managing the accounts, network services, video recordings, and the logistics. We are grateful for the financial support the conference received from Google India Pvt. Ltd.

As in the past few years, the proceedings of FSTTCS 2012 is being published as a volume in the LIPIcs series under a Creative Commons license, with free online access



to all, and with authors retaining rights over their contributions. We wish to thank the editorial board of LIPIcs for agreeing to publish the current proceedings as a LIPIcs volume. Marc Herbstritt and Michael Wagner (Dagstuhl) responded promptly and accurately to our questions pertaining to publishing and editing. We gratefully acknowledge their help and the help of the entire team in the LIPIcs editorial office in preparing the final version of the proceedings.

Deepak D'Souza, Telikepalli Kavitha and Jaikumar Radhakrishnan
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