35th IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science

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Edited by

Prahladh Harsha
G. Ramalingam
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Preface

The 35th IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS 2015), organized annually by the Indian Association for Research in Computing Science (IARCS), was held at the Indian Institute of Science, Bangalore, from December 16 to December 18, 2015.

The program consisted of 6 invited talks and 42 contributed papers. This proceedings volume contains the contributed papers and abstracts of invited talks presented at the conference. The proceedings of FSTTCS 2015 is 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.

The 42 contributed papers were selected from a total of 117 submissions. We thank the program committee for its efforts in carefully evaluating and making these selections. We thank all those who submitted their papers to FSTTCS 2015. We also thank the external reviewers for sending their informative and timely reviews.

We are particularly grateful to the invited speakers: Boaz Barak (Harvard University & Microsoft Research), Ahmed Bouajjani (LIAFA, CNRS & Univ. Paris Diderot), Moses Charikar (Stanford University), Suresh Jagannathan (Purdue University), Ankur Moitra (MIT), and James Worrell (University of Oxford) who readily accepted our invitation to speak at the conference.

There were two pre-conference workshops, Clustering Theory and Practice (CTAP) and the 17th International Workshop on Verification of Infinite State Systems (INFINITY 2015) and two post-conference workshops, Algorithmic Verification of Real-Time Systems (AVeRTS) and Applications of Fourier Analysis to Theoretical Computer Science (FOURIER). We thank Arnab Bhattacharyya (IISc Bangalore), Aiswarya Cyriac (Uppsala University), Amit Deshpande (Microsoft Research), Frédéric Herbreteau (Univ. Bordeaux, LaBRI), Ravishankar Krishnaswamy (Microsoft Research), M. Praveen (Chennai Mathematical Institute), and Krishna S. (IIT Bombay) for organizing these workshops.

On the administrative side, we thank the organizing committee led by Prof. Aditya Kanade (IISc Bangalore) and Prof. Deepak D’Souza (IISc Bangalore), who put in many months of effort in ensuring excellent conference and workshop arrangements at the Indian Institute of Science.

We would also like to thank Madhavan Mukund, Venkatesh Raman, and S. P. Suresh for promptly responding to our numerous questions and requests relating to the organization of the conference. We also thank the EasyChair team whose software has made it very convenient to do many conference related tasks. Finally, we thank the Dagstuhl LIPIcs staff for their coordination in the production of this proceedings, particularly Marc Herbstritt who was very prompt and helpful in answering our questions.

Prahladh Harsha and G. Ramalingam
December 2015
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