

# 30th International Conference on Foundations of Software Technology and Theoretical Computer Science

FSTTCS 2010, December 15–18, 2010, Chennai, India

Edited by

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## ■ Preface

This proceedings volume has the papers presented at the 30th annual conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS 2010), held at the Institute of Mathematical Sciences (IMSc), Chennai, during 15–18 December 2010. We thank IMSc, in particular the administration, for their unstinted support in hosting this conference. Our colleagues and students pitched in to make the organization really smooth.

The Indian Association for Research in Computing Science (IARCS) grew out of the community built by this conference since its first edition in 1981 (the webpages [www.iarcs.org.in](http://www.iarcs.org.in) and [www.fsttcs.org](http://www.fsttcs.org) have more details). FSTTCS is now the annual flagship IARCS event.

Over the years, the conference has been able to attract top-quality invited talks from renowned speakers all over the world, and this year is no exception. We thank Rajeev Alur, Bruno Courcelle, Pavel Pudlák, Santosh Vempala and Wiesław Zielonka for readily agreeing to come to FSTTCS, and for their contributions to this proceedings.

The conference attracted 128 submissions from 35 countries in 6 continents, most of them of very high quality. We thank the authors who submitted for making this such a competitive conference.

The difficult job of selecting from these submissions fell upon the Programme Committee (PC), where we had the pleasure of working with 22 eminent colleagues from 9 countries. We thank them all for increasing the stature of the conference with their presence, for the work they put in, and in some cases, for assisting us in resolution of tricky issues apart from determining just the technical merits of the paper. The PC succeeded in obtaining the help of 216 external reviewers, in all producing 400 referee reports which were of immeasurable help in deciding the 38 contributed papers which have made it to this publication. We thank the referees for their time, effort and detail.

The conference submission and proceedings preparation were handled on the popular EasyChair software. We thank Andrei Voronkov of EasyChair and our system administrators (especially Raveendra Reddy and Mangala Pandi) at IMSc for dealing with mysterious incompatibilities which surfaced occasionally.

The programme this year also features a special session on undergraduate and graduate curricula. We thank our colleague R. Ramanujam for stepping in with this idea to explore a new direction for the 30th conference, and following it through. The 5th international symposium on Parameterized and Exact Computation (IPEC) is co-located with our conference at Chennai, and is preceded by the IMPECS school on Parameterized and Exact Computation, and we are happy for the plurality this has added to the FSTTCS experience.

Since 2008, FSTTCS has been published in the LIPIcs series, which makes the contributions available free of cost on the web, and allows authors to retain their rights. We thank the LIPIcs board of editors and share the pride of being part of a high-quality series. Thanks also to Marc Herbstritt and his team who worked hard on the production side, coming up with the style file and patiently answering our never-ending questions!

Kamal Lodaya and Meena Mahajan  
Chennai, December 2010





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