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Series Editors

Gerhard Goos
Universität Karlsruhe
Postfach 69 80
Vincenz-Priessnitz-Straße 1
D-76131 Karlsruhe, Germany

Juris Hartmanis
Cornell University
Department of Computer Science
4130 Upson Hall
Ithaca, NY 14853, USA

Volume Editor

Rudrapatna K. Shyamasundar
Tata Institute of Fundamental Research
Honi Bhabha Road, 400 005 Bombay, India

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PREFACE

For more than a decade, Foundations of Software Technology and Theoretical Computer Science Conferences have been providing an annual academic computer science forum for the presentation of new results in the topics of current research in India and abroad. This year, there was a total of 119 papers from 20 countries. Each paper was reviewed by at least three reviewers in that particular area. Based on these reviews, the Programme Committee selected 33 papers at the Programme Committee Meeting held on 30-31 July 1993 at the Tata Institute of Fundamental Research, Bombay. This is the highest number of papers selected for presentation in a FST&TCS Conference so far. In spite of this, we had to omit many other good papers. Apart from the attractive conference programme containing five invited papers, the program includes a panel on Software Technology (moderated by R. Narasimhan) and demonstration of systems relevant to some of the papers presented. The conference will be preceded by a workshop for graduate students doing their doctoral dissertation in Computer Science. This workshop (coordinated by S. Ramesh, IIT, Bombay) will provide a technical forum for Ph.D. students to present their current work, and a forum to discuss Computer Science prospects and future in Indian Universities and Industry.

It is a pleasure to thank the invited speakers, Henk Barendregt, Gérard Berry, Joseph Y. Halpern, Juris Hartmanis and Ketan Mulmuley for accepting our invitation to give talks and contribute papers to the proceedings. The referees deserve a great deal of gratitude for their careful attention and response often at very short notice.

In spite of the economic crunch facing the country, Tata Institute of Fundamental Research (TIFR) has been generous in providing a strong support for organizing the conference. I thank TIFR for the financial and infrastructural support they have been providing over the years for this conference series. I also thank IISc (Bangalore) for providing partial financial support for the conference.

John Barretto assisted by J.L. Britto, both from TIFR, provided all the secretarial help. They did a tremendous job and special thanks go to them. I thank the editorial staff of Springer-Verlag, in particular Alfred Hofmann, for all the help and understanding in bringing out the proceedings in time for the conference.

October 1993

R.K. Shyamasundar

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