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Preface

The present volume contains the proceedings of the 4th IPM International Conference on Fundamentals of Software Engineering (FSEN), held in Tehran, Iran, during April 20–22, 2011. This event, FSEN 2011, was organized by the School of Computer Science at the Institute for Studies in Fundamental Sciences (IPM) in Iran, in cooperation with the ACM SIGSOFT and IFIP WG 2.2.

The topics of interest of FSEN span all aspects of formal methods, especially those related to advancing the application of formal methods in the software industry and promoting their integration with practical engineering techniques. The Program Committee of FSEN 2011 consisted of 35 top researchers from 24 different academic institutes in 13 countries. We received a total of 64 submissions from 28 countries out of which the Program Committee selected 19 as regular papers, 5 as short papers, and three as poster presentations in the conference program. Each submission was reviewed by at least three independent referees, for its quality, originality, contribution, clarity of presentation, and its relevance to the conference topics. This volume contains the post-event versions of the regular and the short papers of FSEN 2011.

Three distinguished keynote speakers delivered their lectures at FSEN 2011: "Proposition Algebra and Short-Circuit Logic" by Jan Bergstra, "Towards Specification Inference" by Carlo Ghezzi, and "Model Checking—One Can Do Much More Than You Think" by Joost-Pieter Katoen.

We thank the Institute for Studies in Fundamental Sciences (IPM), Tehran, Iran, for their financial support and local organization of FSEN 2011. We thank the members of the Program Committee for their time, effort, and contributions to making FSEN a quality conference. We thank Hossein Hojjat for his help in preparing this volume. Last but not least, our thanks go to our authors and conference participants, without whose submissions and participation, FSEN would not have been possible.

October 2011

Farhad Arbab
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Table of Contents