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Preface

The conference TCS 2012, the 7th IFIP International Conference on Theoretical Computer Science, was organised by IFIP Technical Committee 1 (Foundations of Computer Science) and its 9 working groups, and IFIP Working Group 2.2 (Formal Descriptions of Programming Concepts), and was associated to the IFIP World Computing Congress, also held in Amsterdam in the same week. The TCS conference provides a meeting place for the theoretical computer science community where the latest results in computation theory can be presented and more broadly experts in theoretical computer science can get together to share insights and ask questions about the future directions of the field. TCS 2012 was associated with The Alan Turing Year 2012. Previous conferences of this series were held in Sendai (2000), Montreal (2002), Toulouse (2004), Santiago (2006), Milan (2008), and Brisbane (2010).

This volume contains the papers presented at the TCS conference held on September 26–28, 2012, hosted by the Centrum Wiskunde & Informatica in Amsterdam. There were 48 submissions. Each submission was reviewed by 3 program committee members (exceptionally, by 4 or 2). The committee decided to accept 25 papers. The conference program also included 3 invited talks by Rajeev Alur, Yuri Gurevich, and Jiri Wiedermann.

TCS 2012 was sponsored by the International Federation for Information Processing (IFIP), the Netherlands Organisation for Scientific Research (NWO), Microsoft Research, the Institute for Programming research and Algorithmics (IPA), and Centrum Wiskunde & Informatica (CWI).

We thank the members of the program committee and the additional reviewers for their work, the invited speakers for their contributions, and all authors who submitted their work to TCS 2012.

July 2012

Jos C.M. Baeten
Tom Ball
Frank S. de Boer

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