Preface

This volume contains the papers presented at ICTAC 2009: the 6th International Colloquium on Theoretical Aspects of Computing held August 18–20, 2009 in Kuala Lumpur, Malaysia, hosted by Universiti Kebangsaan Malaysia.

The ICTAC series was founded by the International Institute for Software Technology of the United Nations University (UNU-IIST). It brings together practitioners and researchers from academia, industry and government to present results and to exchange ideas and experience addressing challenges in both theoretical aspects of computing and in the exploitation of theory through methods and tools for system development. The series also promotes cooperation in research and education between participants and their institutions, from developing and industrial countries, in accordance with the mandate of the United Nations University. The previous ICTAC colloquia were held in Guiyang, China (2004, LNCS 3407), Hanoi, Vietnam (2005, LNCS 3722), Tunis, Tunisia (2006, LNCS 4281), Macao SAR, China (2007, LNCS 4711), and Istanbul, Turkey (2008, LNCS 5160).

This year, 81 submissions were received, distributed over 70 full research papers and 11 tool papers. Each submission was reviewed by at least three Program Committee members. We thank the members of the Program Committee and the other specialist referees for the effort and skill that they invested in the review and selection process, which was managed using EasyChair. The Committee decided to accept 20 papers: 17 full research papers and 3 tool papers. The program and the proceedings, moreover, contain keynote talks from four invited speakers: Zuohua Ding, Leslie Lamport, Annabelle McIver, and Sriram Rajamani. Each invited speaker also offered a tutorial on their work, and these were held before the conference.

ICTAC 2009 was accompanied by the Third International Workshop on Harnessing Theories for Tool Support in Software, chaired by Einar Broch Johnsen and Volker Stolz.

Events such as ICTAC are community efforts and cannot succeed without the generosity of sponsors. ICTAC 2009 was kindly supported by UNU-IIST, Universiti Kebangsaan Malaysia. Leslie Lamport’s lecture was made possible by financial support from Formal Methods Europe.

We are grateful to our publisher, especially to Alfred Hofmann and Ursula Barth at Springer for their help in creating this volume. Finally, we would like to thank our fellow organizers of ICTAC 2009: the local organizers in Malaysia, our Workshop Chair Abhik Roychoudhury, and, at UNU-IIST, Kitty Chan. We were greatly helped by the advice, experience and enthusiasm of Zhiming Liu and the ICTAC Steering and Advisory Committees.

June 2009

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