Foreword

This volume contains the invited and regular papers presented at TCS 2010, the 6th IFIP International Conference on Theoretical Computer Science, organised by IFIP Technical Committee 1 (Foundations of Computer Science) and IFIP WG 2.2 (Formal Descriptions of Programming Concepts) in association with SIGACT and EATCS. TCS 2010 was part of the World Computer Congress held in Brisbane, Australia on 20–23 September 2010, `http://www.wcc2010.com`.

TCS 2010 was composed of two main areas: A: Algorithms, Complexity and Models of Computation, and B: Logic, Semantics, Specification and Verification.

The programme committees consisted of

Valérie Berthé (Montpellier, F)
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Taso Viglas (Sydney, AU)
Klaus Wagner (Würzburg, D)
Damien Woods (Seville, S)
Sheng Yu (London, Ont., CAN)

for area A, and

Stephen L Bloom (Stevens Inst, USA)
Roberto Bruni (Pisa, I)
Kostas Chatzikokolakis (CWI, NL)
Corina Cirstea (Southampton, UK)
Veronique Cortier (CNRS Loria, F)
Mariangiola Dezani (Turin, I)
Rob van Glabbeek (NICTA, AU)
Atsushi Igarashi (Kyoto, JP)
Alan Jeffrey (Bell Labs, USA)
He Jifeng (Shanghai, CN)
Bartek Klin (Cambridge, UK)
Barbara König (Duisburg, D)
Dexter Kozen (Cornell, USA)
Marta Kwiatkowska (Oxford, UK)
Huimin Lin (Bejing, CN)
Dale Miller (École Polytechnique, F)
Carroll Morgan (UNSW, AU)
Doron Peled (Bar Ilan, IL)
Sabina Rossi (Venice, I)
Vladimiro Sassone (Southampton, UK)
Thomas Schwentick (TU Dortmund, D)
Andrzej Tarlecki (Warsaw, PL)
Yde Venema (Amsterdam, NL)

for area B. The selection process led to the acceptance of 23 papers out of 39 submissions, each of which was reviewed by three programme committee members. The PC discussion was held electronically using Easychair.

The invited speakers to TCS 2010 have been:

Rob van Glabbeek (NICTA, AU)
Catuscia Palamidessi (INRIA and LIX, Paris)
Bart Jacobs (Nijmegen, NL)
Sabina Rossi (Venice, I)

James Harland (AU) and Barry Jay (AU) have acted as TCS 2010 chairs.

We take this occasion to thank the members of the programme committees and the external reviewers for the professional and timely work; the conference chairs for their support; the invited speakers for their scholarly contribution; and of course the authors for submitting their work to TCS 2010.

May 2010
Cristian S. Calude
Vladimiro Sassone

Conference Organization

Local Organization

James Harland and Barry Jay

Programme Chairs

Cristian Calude and Vladimiro Sassone

Programme Committee

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External Reviewers

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