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11th International Conference on Relational Methods
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and 6th International Conference on Applications
of Kleene Algebra, AKA 2009
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Preface

This volume contains the proceedings of the 11th International Conference on Relational Methods in Computer Science (RelMiCS 11) and the 6th International Conference on Applications of Kleene Algebra (AKA 6). The joint conference took place in Doha, Qatar, November 1–5, 2009. Its purpose was to bring together researchers from various subdisciplines of computer science, mathematics and related fields who use the calculus of relations and/or Kleene algebra as methodological and conceptual tools in their work.

This conference is the joint continuation of two different strands of meetings. The seminars of the RelMiCS series were held in Schloss Dagstuhl (Germany) in January 1994, Parati (Brazil) in July 1995, Hammamet (Tunisia) in January 1997, Warsaw (Poland) in September 1998, Québec (Canada) in January 2000, and Oisterwijk (The Netherlands) in October 2001. The conference on Applications of Kleene Algebra started as a workshop, also held in Schloss Dagstuhl, in February 2001. To join these two themes in one conference was mainly motivated by the substantial common interests and overlap of the two communities. Over the years this has led to fruitful interactions and opened new and interesting research directions. Joint meetings have been held in Malente (Germany) in May 2003, in St Catherines (Canada) in February 2005, in Manchester (UK) in August/September 2006 and in Frauenwörth (Germany) in April 2008.

This volume contains 24 contributions by researchers from all over the world. In addition to the 22 regular papers there were the invited talks *Computational Social Choice Using Relation Algebra and RELVIEW* by Harrie de Swart (Tilburg University, Netherlands) and *Knowledge and Structure in Social Algorithms* by Rohit Parikh (Brooklyn College and CUNY Grad Center, USA). The papers show that relational and Kleene algebra methods have wide-ranging diversity and applicability in theory and practice.

In addition, for the third time, a PhD programme was offered. It included three invited tutorials by Marcelo Frías (University of Buenos Aires, Argentina), Ali Jaoua (University of Qatar at Doha) and Gunther Schmidt (University of the Armed Forces at Munich, Germany).

We are very grateful to the members of the Programme Committee and the external referees for their care and diligence in reviewing the submitted papers. We also want to thank Qatar University for having accepted to host the conference and Aws Al-Taie, Fatma Al-Baker, Zeina Hazem Al-Azmeh, Fatma Al-Bloushi and Mohamad Hussein for their assistance; they made organizing this meeting a pleasant experience. We also gratefully appreciate the excellent facilities offered by the EasyChair conference administration system. Finally, we cordially thank our sponsors Supreme Education Council (SEC), Qatar National Research Fund (QNRF) and Qatar University (QU) for their generous support.

November 2009

Rudolf Berghammer
Ali Jaoua
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