

Lecture Notes in Artificial Intelligence 5607

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Martin Giese Arild Waaler (Eds.)

Automated Reasoning with Analytic Tableaux and Related Methods

18th International Conference, TABLEAUX 2009
Oslo, Norway, July 6-10, 2009
Proceedings

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Preface

This volume contains the research papers presented at the International Conference on Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX 2009) held July 6-10, 2009 in Oslo, Norway. This conference was the 18th in a series of international meetings since 1992 (listed on page IX). It was collocated with FTP 2009, the Workshop on First-Order Theorem Proving.

The Program Committee of TABLEAUX 2009 received 44 submissions from 24 countries. Each paper was reviewed by at least three referees, after which the reviews were sent to the authors for comment in a rebuttal phase. After a final intensive discussion on the borderline papers during the online meeting of the Program Committee, 21 research papers and 1 system description were accepted based on originality, technical soundness, presentation, and relevance. Additionally, three position papers were accepted, which are published as a technical report of the University of Oslo. We wish to sincerely thank all the authors who submitted their work for consideration. And we would like to thank the Program Committee members and other referees for their great effort and professional work in the review and selection process. Their names are listed on the following pages.

In addition to the contributed papers, the program included three excellent keynote talks. We are grateful to Patrick Blackburn (INRIA Nancy, France), Peter Jeavons (Oxford University Computing Laboratory, UK), and Pierre Wolper (Université de Liege, Belgium) for accepting the invitation to address the conference. Two very good tutorials were part of TABLEAUX 2009: “The Theory of Canonical Systems” (A. Avron and A. Zamansky, Tel-Aviv University, Israel), and “LoTREC: Theory and Practice. Proving by Tableau Becomes Easier...” (Bilal Said and Olivier Gasquet, Université Paul Sabatier, Toulouse, France). We would like to express our thanks to the tutorial presenters for their contribution.

In addition to FTP 2009, three workshops were held in conjunction with TABLEAUX 2009:

- The workshop on “Tableaux Versus Automata as Logical Decision Methods,” organized by Valentin Goranko from the University of the Witwatersrand, Johannesburg, South Africa
- The workshop on “Proofs and Refutations in Non-classical Logics,” organized by Roy Dyckhoff from the University of St Andrews, Scotland, UK and Didier Galmiche from LORIA, Henri Poincaré University, Nancy, France
- The workshop “Gentzen Systems and Beyond,” organized by Kai Brunnler from the University of Bern, Switzerland, and George Metcalfe from Vanderbilt University, Nashville, USA

Abstracts of the workshop papers were published separately as a technical report of the University of Oslo.

It was a team effort that made the conference so successful. We are truly grateful to the Steering Committee members for their support. And we particularly thank the local organizers for their hard work and help in making the conference a success: Terje Aaberge, Roger Antonsen, Roar Fjellheim, Christian M. Hansen, Bjarne Holen, Magdalena Ivanovska, Espen H. Lian, Martin G. Skjæveland, Audun Stolpe, and Evgenij Thorstensen.

July 2009

Martin Giese
Arild Waaler

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Previous Meetings

1992	Lautenbach, Germany	2001	Siena, Italy (part of IJCAR)
1993	Marseille, France	2002	Copenhagen, Denmark
1994	Abingdon, UK	2003	Rome, Italy
1995	St. Goar, Germany	2004	Cork, Ireland (part of IJCAR)
1996	Terrasini, Italy	2005	Koblenz, Germany
1997	Pont-à-Mousson, France	2006	Seattle, USA (part of IJCAR)
1998	Oisterwijk, The Netherlands	2007	Aix-en-Provence, France
1999	Saratoga Springs, USA	2008	Sydney, Australia (part of IJCAR)
2000	St. Andrews, UK		

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