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M4M 1 Methods for Modalities 1

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Workshop Proceedings

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The Computational Logic Group at the Department of Mathematics, Computer Science, Physics and Astronomy of the University of Amsterdam; the Institute for Logic, Language and Computation (ILLC) at the University of Amsterdam; The Netherlands Organization for Scientific Research (NWO); DFG; and Routledge.

Maarten de Rijke.

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Preface

Carlos Areces and Maarten de Rijke

This volume represents the proceedings of M4M-1, the first workshop on Methods for Modalities. M4M aims to bring together researchers interested in developing proof tools and decision methods for modal logic broadly conceived, including description logic, feature logic, temporal logic.

The central theme of M4M has enjoyed a considerable increase in attention of the past couple of years, inspired by developments in many areas, including computational logic, knowledge representation, multi-agent theory, and computational linguistics. We felt the time was right for an event such as M4M. To stimulate interaction and transfer of expertise, M4M is centered around a number of long presentations by leading researchers; these presentations will provide both the background and inside information in a number of key areas. To complement these, M4M hosts short, focussed presentations aimed at highlighting new developments, and submissions of system demonstrations.

This volume contains abstracts for the 6 invited talks as well as 9 contributed papers, and 6 system descriptions. The contributed papers were selected from a total of 24 submissions.

Program Committee

The program committee for M4M consisted of the following people: Carlos Areces (Amsterdam), Enrico Franconi (Manchester), Rajeev Gore (Canberra), Hans de Nivelle (Amsterdam/Saarbrücken), Hans Jürgen Ohlbach (London), Maarten de Rijke (Amsterdam), and Holger Schlingloff (Bremen).

Referees

We gratefully acknowledge the help of the following referees: Henry Chinaski, Chiara Ghidini, Christoph Lueth, Fabio Massacci, Stephan Merz, Till Mossakowski, Markus Roggenbach, George Russell, and Renate Schmidt.

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Carlos Areces and Maarten de Rijke
(Co-chairs M4M)