
CHR 2008

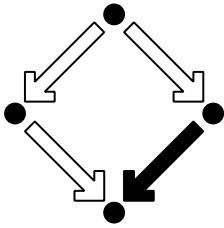
The 5th Workshop on Constraint Handling Rules



Proceedings

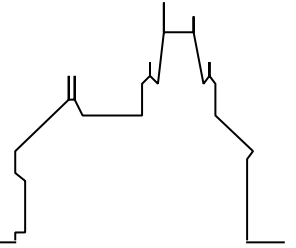
Editors: Tom Schrijvers, Frank Raiser, Thom Frühwirth

**July 14, 2008
Castle of Hagenberg, Austria**



RISC-Linz

Research Institute for Symbolic Computation
Johannes Kepler University
A-4040 Linz, Austria, Europe



CHR 2008

The 5th Workshop on Constraint Handling Rules

Tom SCHRIJVERS, Frank RAISER,
Thom FRÜHWIRTH (editors)

Castle of Hagenberg, Austria
July 14, 2008

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Preface

This book contains the proceedings of CHR 2008, the fifth workshop on Constraint Handling Rules, held at the occasion of RTA 2008 in Hagenberg (Austria) on July 14, 2008.

The Constraint Handling Rules (CHR) language has become a major declarative specification and implementation language for constraint reasoning algorithms and applications. Algorithms are often specified using inference rules, rewrite rules, proof rules, or logical axioms that can be directly written in CHR. Based on first-order predicate logic, this clean semantics of CHR facilitates non-trivial program analysis and transformation.

Previous Workshops on Constraint Handling Rules were organized in May 2004 in Ulm (Germany), in October 2005 in Sitges (Spain) at ICLP, in July 2006 in Venice (Italy) at ICALP, and in September 2007 in Porto (Portugal) at ICLP. It means to bring together in an informal setting, people involved in research on all matters involving CHR, in order to promote the exchange of ideas and feedback on recent developments.

Twelve papers were submitted to the workshop, all of which were carefully reviewed by three reviewers. Ten papers and one short paper were accepted to the workshop.

We are grateful to all the authors of the submitted papers, the program committee members, and the referees for their time and efforts spent in the reviewing process, and the RTA 2008 organizers for hosting our workshop.

July 2008

Tom Schrijvers
Frank Raiser
Thom Frühwirth

Organization

Workshop Coordinators:

- Tom Schrijvers (Belgium)
- Frank Raiser (Germany)
- Thom Frühwirth (Germany)

Program Committee:

- François Fages, INRIA Rocquencourt
- Peter J. Stuckey, NICTA Victoria Laboratory
- Jacques Robin, Universidade Federal de Pernambuco
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Thierry Martinez Gregory J. Duck Frank Raiser
Peter Van Weert Luc Maranget Marco Alberti
Marco Gavanelli Hariolf Betz Ingi Sobhi
Cinzia Di Giusto

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