

# RTA 2008

## 19th International Conference on Rewriting Techniques and Applications

July 15-17, 2008, Hagenberg, Austria

The 19th International Conference on Rewriting Techniques and Applications (RTA 2008) is organised as part of the RISC Summer 2008, which comprises five conferences, five workshops and the Training School in Symbolic Computation, and is followed by the 3rd International School on Rewriting in Obergurgl.

### CALL FOR PAPERS

#### Programme Committee Chair

Andrei Voronkov  
(University of Manchester)  
<http://www.voronkov.com/>

#### Programme Committee

Maribel Fernández	King's College
Neil Ghani	U Leicester
Jürgen Giesl	RWTH Aachen
Guillem Godoy	UP Cataluña
Jean Goubault-Larrecq	ENS Cachan
Tetsuo Ida	U Tsukuba
Claude Kirchner	INRIA
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Aart Middeldorp	U Innsbruck
Paliath Narendran	SUNY at Albany
Robert Nieuwenhuis	UP Cataluña
Michaël Rusinowitch	INRIA
Aaron Stump	WU in St. Louis
Jean-Marc Talbot	U Provence
Yoshihito Toyama	Tohoku U
Ralf Treinen	U Paris Diderot
Andrei Voronkov	U Manchester
Hans Zantema	TU Eindhoven

#### General Chair

Bruno Buchberger (RISC Linz)

#### Organising Committee Chair

Temur Kutsia (RISC Linz)

#### Important Dates

Abstract:	February 4, 2008
Paper Submission:	February 11, 2008
Notification:	April 4, 2008
Final version:	April 25, 2008

RTA is the major forum for the presentation of research on all aspects of rewriting. Typical areas of interest include (*but are not limited to*):

- *Applications*: case studies; analysis of cryptographic protocols; rule-based (functional and logic) programming; symbolic and algebraic computation; theorem proving; system synthesis and verification; proof checking; reasoning about programming languages and logics; program transformation;
- *Foundations*: matching and unification; narrowing; completion techniques; strategies; rewriting calculi, constraint solving; tree automata; termination; combination;
- *Frameworks*: string, term, and graph rewriting; lambda-calculus and higher-order rewriting; constrained rewriting/deduction; categorical and infinitary rewriting; integration of decision procedures;
- *Implementation*: implementation techniques; parallel execution; rewrite tools; termination checking;
- *Semantics*: equational logic; rewriting logic; rewriting models of programs.

**Best Paper Award:** An award is given to the best paper or papers as decided by the program committee.

**Student Support:** Limited student support will be available and announced in future versions of this call.

**Submissions:** Submissions must be original and not submitted for publication elsewhere. Submission categories include regular research papers and system descriptions. Problem sets and submissions describing interesting applications of rewriting techniques are also welcome.

The page limit for submissions is 15 pages in Springer LNCS style (10 pages for system descriptions). Papers must be submitted electronically through the EasyChair system. The submission Web page is

<http://www.easychair.org/conferences/?conf=RTA2008>

As usual, the proceedings of RTA 2008 will be published in the Springer LNCS series.

For any further information please consult the RTA 2008 Web page

<http://www.risc.uni-linz.ac.at/about/conferences/rta2008/>