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

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


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/rtanb08/](http://www.risc.uni-linz.ac.at/about/conferences/rta2008/)