

RTA 2005

16th International Conference on Rewriting Techniques and Applications

April 19–21, 2005, Nara, Japan

CALL FOR PAPERS

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Program Committee

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Femke van Raamsdonk	Amsterdam
Mark-Oliver Stehr	Urbana
Rakesh Verma	Houston
Andrei Voronkov	Manchester

Invited Speakers

Amy Felty	Ottawa
Yohihito Toyama	Sendai
Philip Wadler	Edinburgh

Important Dates

Title & Abstract:	November 12, 2004
Paper Submission:	November 19, 2004
Notification:	January 14, 2005
Final version:	February 4, 2005

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; rule-based (functional and logic) programming; symbolic and algebraic computation; theorem proving; system synthesis and verification; proof checking;
- *Foundations*: matching and unification; narrowing; completion techniques; strategies; constraint solving; explicit substitutions; tree automata;
- *Frameworks*: string, term, and graph rewriting; lambda-calculus and higher-order rewriting; proof nets; constrained rewriting/deduction; categorical and infinitary rewriting;
- *Implementation*: compilation techniques; parallel execution; rewrite tools;
- *Semantics*: equational logic; rewriting logic.

Best Paper Award & Travel Grants: An award of 100,000 Yen is given to the best paper or papers as decided by the PC. A limited number of travel grants is available for students who are (co-)authors of RTA-papers. To apply for grants, students should send an e-mail to the PC chair together with their submission.

Submissions: Submissions must be original and not submitted for publication elsewhere. Submission categories include regular research papers and system descriptions. Also problem sets and submissions describing interesting applications of rewriting techniques will be very welcome.

Authors are encouraged to use L^AT_EX 2_ε and the lncs class files (<http://www.springer.de/comp/lncs/authors.html>). If you use this class, turn on page numbers by `\pagestyle{plain}`. Proofs of theorems should be provided in the paper, or, if space does not permit, made accessible otherwise (e.g. as an appendix). The page limit is 15 pages (10 pages for system descriptions).

Submissions must arrive by **November 19, 2004**. In addition, an ASCII version of title and abstract must be submitted by **November 12, 2004**. These are *strict deadlines*. Submission of both will be web-based via the conference web-site

<http://www-i2.informatik.rwth-aachen.de/RTA05/>

If web-based submission is impossible, 4 hard copies may be sent to the program chair. Papers that are late, too long, or require substantial revision will not be considered. Authors will be notified of acceptance or rejection by Jan. 14, 2005.

As usual, accepted papers will appear in the Springer-Verlag Lecture Notes in Computer Science series. Authors of accepted papers will be requested to sign a form transferring copyright of their contribution to Springer-Verlag.

RTA'05 will collocate with the 7th International Conference on Typed Lambda Calculi and Applications (TLCA'05) as part of the Federated Conference on Rewriting, Deduction and Programming (RDP'05).

RDP 2005 Web Site: <http://www.kurims.kyoto-u.ac.jp/rdp05/>

Location, Travel, Accommodation, and Registration

The conference takes place in Nara park, which is one of the most important cultural sights of Japan with some of the oldest and most impressive temples and shrines. Airfares from Europe or the US to Japan are not expensive in mid-April and the conference will offer reasonably priced accommodation and low registration fees.