RTA 2007

18th International Conference on Rewriting Techniques and Applications

June 26-28, 2007, Paris, France

The 18th International Conference on Rewriting Techniques and Applications (RTA'07) is organized as part of the Federated Conference on Rewriting, Deduction, and Programming (RDP'07), which comprises, in addition to RTA'07, the conference on Typed Lambda Calculi and Applications (TLCA'07) and eight workshops (HOR, PATE, RULE, SecReT, UNIF, WFLP, WRS, and WST).

CALL FOR PAPERS

Program Committee Chair

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Ralf Treinen (Cachan, France)
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Ashish Tiwari (Menlo Park, USA)

Important Dates

Title & Abstract:	Jan 26, 2007
Paper Submission:	Jan 31, 2007
Notification:	Apr 02, 2007
Final version:	Apr 23, 2007

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; reasoning about programming languages and logics; program transformation;

- *Foundations*: matching and unification; narrowing; completion techniques; strategies; constraint solving; explicit substitutions; tree automata; termination; combination;

- *Frameworks*: string, term, and graph rewriting; lambda-calculus and higher-order rewriting; proof nets; constrained rewriting/deduction; categorical and infinitary rewriting; integration of decision procedures;

- *Implementation*: compilation 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.

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). The submission Web page will be made available beginning of January. As usual, the proceedings of RTA'07 will be published in the Springer LNCS series.

Please consult the RTA'07 conference Web page for further information:

http://www.rdp07.org/rta