

RTA 2011

22nd International Conference on Rewriting Techniques and Applications

Monday, May 30 - Wednesday, June 1, 2011, Novi Sad, Serbia

The 22nd International Conference on Rewriting Techniques and Applications (RTA 2011) is organized as part of the Federated Conference on Rewriting, Deduction, and Programming (RDP 2011), together with the International Conference on Typed Lambda Calculi and Applications (TLCA 2011), and several workshops.

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; XML queries and transformations
- *Foundations*: matching and unification; narrowing; completion techniques; strategies; rewriting calculi; constraint solving; tree automata; termination; complexity; combination;
- *Frameworks*: string, term, and graph rewriting; lambda-calculus and higher-order rewriting; constrained rewriting/deduction; categorical and infinitary rewriting; integration of decision procedures; net rewriting; binding techniques;
- *Implementation*: implementation techniques; parallel execution; rewrite tools; termination checking; abstract machines; explicit substitutions;
- *Semantics*: equational logic; rewriting logic; rewriting models of programs.

Programme Committee Chair

Manfred Schmidt-Schauß

Univ. Frankfurt, Germany

Programme Committee

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Conference Chair

Silvia Ghilezan, U Novi Sad, Serbia

Important Dates

Abstract:	January 7, 2011 (Friday)
Paper Submission:	January 14, 2011 (Friday)
Notification:	March 4, 2011 (Friday)
Final version:	April 3, 2011 (Sunday)
Conference	May 30, 2011 (Monday)

Invited speakers

Ashish Tiwari (SRI,USA)

Sophie Tison (U. Lille and LIFL, France)

Stephanie Weirich, U. Pennsylvania (common RDP speaker)

Best Paper Award: A prize of 500 Euro will be given to the best paper or papers as judged by the program committee.

Submissions: Submissions must be original and not submitted for publication elsewhere. Submissions must fall into one of the following categories (to be indicated in the title page): Regular Research Papers, Experience Papers, Problem Sets, and System Descriptions.

Submissions in the first three categories can be up to 15 proceedings pages long, System Descriptions up to 10 proceedings pages. RTA proceedings will be published by LIPIcs (Leibniz International Proceedings in Informatics). See <http://www.dagstuhl.de/en/publications/lipics>

Abstracts and papers must be submitted electronically through the EasyChair system at:

<http://www.easychair.org/conferences/?conf=rta2011>

For any further information please consult the RTA 2011 web page

<http://www.rdp2011.uns.ac.rs/rta/index.html>