

RTA 2012: Call For Papers

23rd International Conference on Rewriting Techniques and Applications

May 28–June 2, 2012, Nagoya, Japan

<http://rta2012.trs.cm.is.nagoya-u.ac.jp/>

Invited Speakers

Hirokazu Anai
Claude Kirchner
Sebastian Maneth

Program Committee Chair

Ashish Tiwari
SRI International
tiwari@csl.sri.com

Program Committee

Andreas Abel
Zena Ariola
Paolo Baldan
Ahmed Bouajjani
Evelyne Contejean
Irène Anne Durand
Jörg Endrullis
Silvio Ghilardi
Guillem Godoy
Nao Hirokawa
Deepak Kapur
Jordi Levy
Paul-Andre Mellies
Pierre-Etienne Moreau
Joachim Niehren
Grigore Rosu
Albert Rubio
Masahiko Sakai
Carolyn Talcott
René Thiemann

Conference Chair

Masahiko Sakai
Nagoya University

Important Dates

Abstract: Jan 04, 2012
Paper Submission: Jan 09, 2012
Notification: Mar 02, 2012
Final version: Mar 26, 2012

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; SMT solving; theorem proving; system synthesis and verification; proof checking; reasoning about programming languages and logics; program transformation; XML queries and transformations; systems biology;
- *Foundations*: equational logic; rewriting logic; rewriting models of programs; 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; stochastic rewriting; net rewriting; binding techniques; Petri nets;
- *Implementation*: implementation techniques; parallel execution; rewrite and completion tools; confluence and termination checking; certification of rewriting properties; abstract machines; explicit substitutions;

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.

Publication: RTA proceedings will be published by LIPIcs (Leibniz International Proceedings in Informatics). See <http://www.dagstuhl.de/lipics> for more information about LIPIcs. Accepted papers will be considered for publication in a special issue of the journal Logical Methods in Computer Science (LMCS).

Submissions: Submissions must be original and not submitted for publication elsewhere. Submission categories include regular research papers, applications of rewriting techniques, problem sets, and system descriptions.

The page limit for submissions is 10 proceedings pages for system descriptions and 15 proceedings pages for all other categories. Additional material may be provided in an appendix which is not subject to the page limit. However, submissions must be self-contained within the respective page limit. LaTeX template for LIPIcs is available at <http://drops.dagstuhl.de/styles/lipics/lipics-authors.tgz>. Abstracts and papers (in Postscript or PDF format) must be submitted electronically through the EasyChair system at: <http://www.easychair.org/conferences/?conf=rta2012>