

# 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  
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## Program Committee

Andreas Abel  
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Irène Anne Durand  
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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>. LaTeX template specialized for RTA 2012 is available at: <http://www.csl.sri.com/users/tiwari/lipics-authors-rta2012.tgz>. Authors can use either one for preparing their submission. Abstracts and papers (in Postscript or PDF format) must be submitted electronically through the EasyChair system at: <http://www.easychair.org/conferences/?conf=rta2012>