RTA 2015 - CALL FOR PAPERS
26th International Conference on
REWRITING TECHNIQUES AND APPLICATIONS
29 June - 1 July, 2015, Warsaw, Poland
co-located with TLCA, as part of RDP 2015
`http://rdp15.mimuw.edu.pl/`

Invited Speakers

Hélène Kirchner, INRIA
Grigore Rosu, U. Illinois U-C
Carolyn Talcott, SRI International

Programme Committee

M. Ayala-Rincón, U. Brasilia
H. Cirstea, Loria Nancy
S. Delaune, ENS Cachan
A. Di Pierro, U. Verona
G. Dowek, Inria
M. Fernández, KCL
J. Giesl, RWTH Aachen U.
M. Hanus, CAU Kiel
D. Kesner, U. Paris-Diderot
T. Kutsia, Johannes Kepler U. Linz
J. Levy, IIIA-CSIC Barcelona
S. Lucas, Polytechnic U. Valencia
C. Lynch, Clarkson U.
I. Mackie, E. Polytechnique
G. Moser, U. Innsbruck
D. Plump, U. York
F. van Raamsdonk, VU Amsterdam
K. Rose, Two Sigma, US
M. Sakai, Nagoya U.
A. Scedrov, U. Pennsylvania
M. Schmidt-Schauss, U. Frankfurt
C. Schürmann, ITU Copenhagen
P. Selinger, Dalhousie U.
P. Severi, U. Leicester
K. Ueda, Waseda U.

Programme Chair

M. Fernández
King's College London

Conference Chair

A. Schubert
Warsaw University

For more details, please email:
Maribel.Fernandez@kcl.ac.uk

Topics

RTA is the major forum for the presentation of research on all aspects of rewriting. Topics of interest include:

Foundations: string, term, net and graph rewriting; higher-order rewriting; binding techniques; constrained rewriting and deduction; categorical and infinitary rewriting; stochastic rewriting; higher-dimensional rewriting; tree automata; confluence; termination; complexity; modularity; equational logic; universal algebra; rewriting logic; rewriting calculi.

Algorithmic aspects and implementation: strategies; matching; unification; anti-unification; narrowing; completion; parallel execution; certification of rewriting properties; abstract machines; automated (non)termination and confluence provers; automated complexity analysis; system descriptions.

Applications of rewriting: programming languages (functional, logic, object-oriented and other programming paradigms); type systems; program analysis, transformation and optimisation; rewriting models of programs; semantics; process calculi; functional calculi; explicit substitution; constraint solving; symbolic and algebraic computation; theorem proving; proof checking; system modelling; system synthesis and verification; planning; XML queries and transformations; cryptographic protocols; security policies; system biology; linguistics; rewriting in education.

Important Dates

abstract submission:	**6 February 2015 (extended)**
paper submission:	**13 February 2015 (extended)**
rebuttal period:	19–21 March 2015 notification: 8 April 2015
final version:	25 April 2015

Submission and publication

The RTA 2015 proceedings will be published by LIPIcs. Papers should present original work (i.e., not published or under reviewing elsewhere), and should be submitted via Easychair:
`https://www.easychair.org/conferences/?conf=rta2015`
They should be at most 15 pages (10 for system descriptions) in the style described in:
`http://drops.dagstuhl.de/styles/lipics/lipics-authors.tgz`
Submissions on *applications of rewriting* are particularly welcome. Application papers are regular papers (15 pages); their originality is judged on the basis of the novelty of the application or the depth of the rewriting methods applied.

System description papers present new software tools in which rewriting plays an important role, or significantly new versions of such tools. The paper should include an evaluation of the tool.

One author of each accepted paper is expected to present it at the conference.

Colocated Events

RTA 2015 is organised as part of the Federated Conference on Rewriting, Deduction and Programming (RDP 2015), together with the International Conference on Typed Lambda Calculi and Applications and other related events. For details about RDP events, see: `http://rdp15.mimuw.edu.pl/`