

Call for Papers

Ninth International Workshop on Termination (WST 2007)

Paris, France, June 29, 2007

Affiliated with RDP 2007

Program Committee

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Termination Competition Committee

Claude Marché (Paris, France)
Johannes Waldmann (Leipzig, Germany)
Hans Zantema (Eindhoven, The Netherlands)

Workshop Themes (non-exhaustive list)

Termination of programs
Termination of rewriting
Normalization of lambda calculi
Implementation of termination methods
Challenging termination problems and proofs
Application of termination methods,
e.g. to program transformation and compilation
Comparison and classification of termination methods
Non-termination detection
Termination methods for theorem provers
Termination in distributed systems
Termination proof methods for liveness and fairness
Derivational complexity
Well-quasi-orderings and ordinal notations

Important Dates

Deadline for electronic submission of papers .. April 23, 2007
Notification of acceptance May 14, 2007
Deadline for final versions May 27, 2007

Competition Deadlines:

Submission of public problems May 1, 2007
Registration of termination tools May 21, 2007
Submission of secret problems June 1, 2007
Submission of termination tools June 1, 2007
Start of competition June 4, 2007

Web Sites

WST 2007:
<http://www.rdp07.org/wst.html>
Termination Competition:
<http://www.lri.fr/~marche/termination-competition/2007/>
RDP 2007:
<http://www.rdp07.org/>

The Workshop: Termination is a fundamental topic in computer science. Though termination of processes is often a strict requirement, it may be hard to establish. Classical results state the undecidability of various termination problems, so research focuses on automated methods that prove termination or non-termination in practical cases. The topic is challenging both in theory (mathematical logic, proof theory) and practice (software development, formal methods), and many interesting ramifications are yet to be explored.

The 9th International Workshop on Termination will delve into all aspects of termination. It will continue the sequence of successful workshops held in St. Andrews (1993), La Bresse (1995), Ede (1997), Dagstuhl (1999), Utrecht (2001), Valencia (2003), Aachen (2004), and Seattle (2006). We hope to attain the same friendly atmosphere as those past workshops. The intent is to bring together, in an informal setting, researchers interested in various aspects of termination, whether this interest be practical or theoretical, primary or derived. The workshop is hoped to provide a ground for cross-fertilisation of ideas from term rewriting and from programming. Contributions from the imperative, object-oriented, constraint, functional, and logic programming communities, and papers investigating new applications of termination are particularly welcome.

Paper Submissions: Extended abstracts in the prescribed format, not exceeding 4 pages, should be submitted electronically through EasyChair's WST 2007 submission site <http://www.easychair.org/WST2007/>. A common workshop style file will be made available on the WST'2007 web site. Papers should be submitted in PostScript or PDF format. We expect proceedings to be made available through the Computing Research Repository, CoRR.

The Termination Competition: The competition will run again in 2007, and entries are strongly encouraged. Detailed instructions for submission of problems and programs will be made available at the competition website <http://www.lri.fr/~marche/termination-competition/2007/>.

Workshop Venue and Related Events: WST 2007 is part of the Federated Conference on Rewriting, Deduction, and Programming 2007. Co-located events include RTA'07, HOR'07, PATE'07, RULE'07, SecReT'07, UNIF'07, WFLP'07, and WRS'07. These colloquia will run from June 25 to June 29, 2007, in Paris (France). For details see the RDP website at <http://www.rdp07.org/>.