

Call for Papers
Tenth International Workshop on Termination (WST 2009)
Leipzig, Germany, June 3-5, 2009

Workshop Chairs

Johannes Waldmann, HTWK Leipzig (organization)
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Program Committee

Frédéric Blanqui, INRIA, FR and Tsinghua University, CN
Byron Cook, Microsoft Corporation, US
Alfons Geser, HTWK Leipzig, DE (chair)
Michael Hanus, Universität Kiel, DE
Janis Voigtländer, Technische Universität Dresden, DE

Topics (Non-Exhaustive)

Termination of programs
Termination of rewriting
Strong and weak normalization of lambda calculi
Challenging termination problems/proofs
Implementations of termination methods
Automated verification of termination proofs
Termination methods for theorem provers
Termination analysis for different language paradigms
Applications to program transformation and compilation
Other applications of termination methods
Comparisons and classification of termination methods
Non-termination and loop detection
Termination in distributed systems
Size-change analysis
Proof methods for liveness and fairness
Termination orderings
Well-founded orderings
Reduction orderings
Well-quasi-order theory
Ordinal notations
Fast/slow growing hierarchies
Derivational complexity

Important Dates

Paper submission 19 April 2009
Notification 26 April 2009
Final Paper Version 3 May 2009

Web Sites

WST 2009:
<http://www.imn.htwk-leipzig.de/wst09/>
Medien-campus Villa Ida:
<http://www.medien-campus-villa-ida.de/>
EasyChair:
<http://www.easychair.org/conferences/?conf=wst09>

The Workshop: Termination is a fundamental topic in computer science. Classical undecidability results show that termination is difficult. On the other hand, programs are usually required to terminate. So methods are needed that prove termination and non-termination automatically for a wide range of programs. Termination proofs are essential not only for program verification, but also as components of program transformation systems. 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 10th International Workshop on Termination will delve into all aspects of termination of processes. 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), Seattle (2006), and Paris (2007). It will attain the same friendly atmosphere as those past workshops. The intent is to bring together, in an informal setting, researchers interested in all aspects of termination, whether this interest be practical or theoretical, primary or derived. The workshop shall help exchange ideas from term rewriting and from the various programming language communities.

Contributions from the imperative, constraint, functional, and logic programming communities, and papers investigating new applications of termination are particularly welcome.

Paper Submissions: Extended abstracts (1 to 4 pages) in the prescribed format should be submitted electronically through the EasyChair web page. Authors will be requested to use a common workshop style file. Papers should be submitted in PostScript or PDF format. We expect proceedings to be made available as a technical report.

Conference Venue: The workshop will be held in the city of Leipzig, at the conference center *Medien-campus Villa Ida*.

Hosting institution: Hochschule für Technik, Wirtschaft und Kultur Leipzig, in cooperation with Leipzig School of Media and Medienstiftung der Sparkasse Leipzig.