CALL FOR PAPERS

INFINITY 2008

10th International Workshop on Verification of Infinite-State Systems

(A Satellite Workshop of CONCUR 2008)

`http://www.fit.vutbr.cz/events/infinity08/`

23rd of August 2008, Toronto, Canada

Program Committee:

Christel Baier, Germany,
Bernard Boigelot, Belgium,
Luca de Alfaro, USA,
Dino Distefano, UK,
Javier Esparza, Germany,
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Organization:

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Important Dates:

submission: **May 31, 2008** (Saturday)
notification: June 27, 2008
final version: July 6, 2008

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Aim: The aim of the INFINITY workshop is to provide a forum for researchers interested in the development of formal methods and algorithmic techniques for the analysis of systems with infinitely many states, and their application in automated verification of complex software and hardware systems.

Topics: Topics of interest include (but are not limited to): infinite-state models of software/hardware systems; abstraction techniques for infinite-state systems; symbolic analysis techniques and data structures for representing infinite state spaces; model-checking, static analysis, abstract interpretation, preorder/equivalence-checking, and control synthesis for infinite-state systems; parameterized networks of parallel processes, dynamic networks, mobile systems; systems with unbounded dynamic data and control structures (recursion, dynamic instantiation of processes, dynamic linked data structures, unbounded communication channels, web services, infinite data domains); probabilistic and timed systems; games in modeling and verification of infinite-state systems; verification techniques for security properties, cryptographic protocols.

Paper Submission: Authors are invited to submit an original contribution presenting unpublished work in the areas relevant for the scope of INFINITY. The submissions will be evaluated by the program committee and accepted papers will appear in the workshop proceedings. By submitting you agree that, in case of acceptance, at least one (co-)author will register and present the paper at the workshop. Contributions should be typeset in the ENTCS format and should not exceed 10 pages. The papers should be submitted through *EasyChair* by following the link:
`http://www.easychair.org/conferences/?conf=infinity2008`.

Proceedings: Pre-proceedings of INFINITY 2008 will be available at the workshop in a printed form. Final versions of the papers will appear in a volume of *Electronic Notes in Theoretical Computer Science*.

Invited talks will be announced on the web page of the workshop.

Registration: The INFINITY 2008 workshop is a satellite workshop of the *19th International Conference on Concurrency Theory—CONCUR 2008* (see `http://www.cse.yorku.ca/concur08/`). The workshop will be held at the same location as CONCUR 2008 on Saturday, August 23, 2008. Registration will be handled by the CONCUR 2008 organizing committee.