



Fourth Haifa Verification Conference – Call for Papers

Keynote Speakers

Daniel Jackson
Moshe Vardi

October 28 – 30, 2008

Haifa Verification Conference 2008

Invited Speakers

Brian Bailey
Yoav Hollander
Geoffrey Miller
Carl Pixley

<http://www.haifa.il.ibm.com/conferences/hvc2008/>

Program committee

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Amos Noy
Amit Paradkar
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Andrew Piziali
Wolfgang Roesner
Fabio Somenzi
Scott D. Stoller
Ofer Strichman
Serdar Tasiran
Shmuel Ur
Willem Visser
Tao Xie
Karen Yorav

HVC 2008 is the fourth in the series of annual conferences dedicated to advancing the verification and testing of both hardware and software. The conference provides a forum for academia, industry, and the research and development community to share their work, exchange ideas, and discuss the challenges and future directions of verification for hardware, software, and hybrid systems.

Verification methods are generally divided into two paradigms – formal verification and dynamic verification (testing). Within each paradigm, different techniques are used for hardware and software systems. HVC is the only conference that brings together researchers from all verification fields, thereby encouraging the migration of methods and ideas between domains. We encourage submission of works that exemplify the successful integration of ideas from different domains of expertise.

Accepted papers will be presented at the conference and published in post-conference proceedings in Springer's Lecture Notes in Computer Science series (LNCS). The top 10%-20% papers will be invited to submit journal versions of their work to a special edited issue of STTT (<http://sttt.cs.uni-dortmund.de/>).

Topics of interest to the conference include, but are not limited to:

Simulation-based verification	Formal verification methods
High-level stimuli generation	Model checking
Equivalence checking	SAT-based verification algorithms
Classification of hardware bugs	Static analysis
Design for verifiability	Concurrency testing
Hardware/software co-verification	Debugging
Emulation and acceleration	Defect prevention
CSP applications in functional verification	Test-driven development
Hybrid verification methods	Model-based testing
Verification coverage	Developer testing
Formal Specification Languages	Review and inspection
Semi-formal verification	Pair testing and first testing
Test automation frameworks	Automatic test generation

Authors are invited to submit papers describing original, unpublished work. Papers are to be submitted electronically through the conference web page, in LNCS format (<http://www.springer.com/east/home/computer/lncs>). The page limit is fifteen (15) for regular papers and five (5) for tool papers. Simultaneous submission to other conferences is not allowed.

Important dates:

Abstracts submission deadline:	July 16, 2008
Full papers submission deadline	July 20, 2008
Notification of acceptance:	August 31, 2008
Conference gathering:	October 28 – 30, 2008
Final version of accepted papers:	November 20, 2008

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