

9th International Workshop Hybrid Systems: Computation and Control

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HSCC 2006: Call for Papers

March 29–31, 2006
Santa Barbara, CA

The Ninth International Workshop on Hybrid Systems : Computation and Control (HSCC 2006), will be held in Santa Barbara, California, from March 29–31, 2006. The annual workshop on hybrid systems attracts researchers from academia and industry interested in modeling, analysis, and implementation of dynamic and reactive systems involving both discrete and continuous behaviors. The previous workshops in the series of HSCC were held in Berkeley, USA (1998), Nijmegen, The Netherlands (1999), Pittsburgh, USA (2000), Rome, Italy (2001), Palo Alto, USA (2002), Prague, Czech Republic (2003), Philadelphia, USA (2004), and Zurich, Switzerland (2005).

Topics

Submissions are invited in all areas pertaining to the design, analysis, implementation, and applications of hybrid systems. Topics of interest include, but are not limited to:

- Modeling and representations
- Computability and complexity issues
- Tools for analysis and verification
- Tools for synthesis and design
- Programming languages support and implementation
- Control and optimization
- Hybrid models in biology and other sciences
- Engineering applications such as automotive control, avionics, energy systems, transportation networks, manufacturing, and robotics

Submissions

The workshop proceedings will be published in the Springer Lecture Notes in Computer Science series. Submitted papers must present original, unpublished research that has not been submitted elsewhere. Instructions for submitting the papers electronically are available on the conference webpage.

Poster Session

This year's workshop will include a poster session in addition to the regular oral presentations. The poster session is aimed at advertising new or ongoing work, as well as getting feedback from the HSCC community. We are particularly interested in presentations of student work. To submit a poster, please send a proposal of one page or less describing the nature of poster.

Important Dates

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| Submission deadline for regular papers | October 3, 2005 |
| Author notification | November 18, 2005 |
| Submission deadline for posters | December 2, 2005 |
| Final papers due | December 19, 2005 |
| Conference | March 29–31, 2006 |

<http://hsc06.csl.sri.com/>