



Call for Papers

HSCC'08: The 11th International Conference on Hybrid Systems: Computation and Control
April 22-24, 2008, St. Louis, MO, USA

Co-located through **CPSWEEK** with the Real Time and Embedded Technology and Applications Symposium (RTAS '08) and International Conference on Information Processing in Sensor Networks (IPSN '08)

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Important Dates:

Papers Due: October 12, 2007
Author Notification: December 7, 2007
Final Papers Due: January 9, 2008
Conference: April 22-24, 2008

The International Conference on Hybrid Systems: Computation and Control (HSCC) is a leading, single-track conference focusing on research in embedded, reactive systems involving the interplay between symbolic/switching and continuous dynamical behaviors. Academic as well as industrial researchers are invited to exchange information on the latest developments of applications and theoretical advancements in the design, analysis, control, optimization, and implementation of hybrid systems, with particular attention to embedded and networked control systems.

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), Zurich, Switzerland (2005), Santa Barbara, USA (2006), and Pisa, Italy (2007).

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

- Models of heterogeneous systems
- Computability and complexity
- Real-time computing and control
- Embedded and resource-aware control
- Control and estimation over wireless networks
- Tools for analysis, verification, control, and design
- Programming languages support and implementation
- Applications, including automotive, communication networks, avionics, energy systems, transportation networks, biology and other sciences, manufacturing, and robotics

HSCC'08 will be part of the inaugural CPSWEEK (Cyber-Physical Systems Week), which is a co-located cluster of three conferences, namely HSCC, RTAS (Real-Time and Embedded Technology and Applications Symposium), and IPSN (International Conference on Information Processing in Sensor Networks). Through CPSWEEK, the three conferences will have a shared registration process, joint invited speakers and poster sessions, and joint social events.

Submission Guidelines

All papers must be submitted electronically, in Portable Document Format (PDF). Instructions for submission will be available at the HSCC'08 website: <http://www.hsc08.gatech.edu/>. Submissions must meet the following criteria:

- A paper must be original material that has neither been previously published nor is currently under review by another conference or journal.
- Submitted papers should be no longer than 14 pages in the Springer, LNCS single-column format.

Each paper will be reviewed by the Program Committee, and all accepted papers will appear in the conference proceedings. An accepted paper will either be designated as a full paper with an oral presentation slot, or as a short paper with a poster presentation. Papers can also be submitted directly as short papers for the poster presentation.