

20th ACM Conference on Hybrid Systems: Computation & Control (HSCC)

April 18-21, 2017, Pittsburgh

2017.hssc-conference.org/

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Paper Submission: October 13, 2016 (11:59 pm UTC-12 firm)

Notifications: December 20, 2016

Camera-ready: February 17, 2017

Conference dates: April 18-21, 2017

HSCC 2017 is the 20th in a series of conferences on all aspects of hybrid systems. It is dedicated to advancing design and analysis techniques that bridge control theory and computer science, and is expanding to new domains in security and privacy and in systems biology. The conference covers the range from theoretical results to practical applications and experiences in cyber-physical systems (CPS), mixed signal circuits, robotics, infrastructure networks, and biological models. Topics of interest include, but are not limited to, the following subjects:

- Mathematical foundations, computability and complexity
- Modeling paradigms and techniques
- Design, synthesis, planning, and control
- Analysis, verification, validation, and testing
- Programming and specification languages
- Network science and control over networks
- Security and privacy in cyberphysical systems
- Software tools
- Applications and case studies

HSCC 2017 will be part of the ninth **Cyber Physical Systems Week (CPS Week)**, and co-located with the International Conference on Cyber-Physical Systems (ICCP), Information Processing in Sensor Networks (IPSN), the Real-Time and Embedded Technology and Applications Symposium (RTAS), Conference on Internet-of-Things Design and Implementation (IOTDI), and related workshops.

New this year: HSCC 2017 will employ light double-blind reviewing. To facilitate this, submitted papers must adhere to two rules: (a) author names and institutions must be omitted, and (b) references to authors' own related work should be in the third person. See this [FAQ page](#) with many common concerns.

Regular papers: Submissions should present unpublished original research, not under review elsewhere. Maximum 10 pages in 10pt, two-column ACM format. ACM templates are available from: <http://www.acm.org/signs/publications/proceedings-templates>. Paper submissions should be preceded by an abstract (date TBA).

Tool and case study papers: Tool Papers should describe an implemented tool and its novelty. Maximum 6 pages in the 10pt, two-column ACM format.

Demo/posters: Demo/poster descriptions are used for selecting contributions for demo/poster session, and will not be published in the proceedings. Maximum 2 pages. Title should begin with "Demo (Poster):". Should be submitted to the "Demonstrations and Posters" track at the submission website. Submission deadline: February (TBA).

Submission website for papers: <https://easychair.org/conferences/?conf=hssc17>

Repeatability evaluation: Authors of accepted papers will be invited to participate in an optional repeatability evaluation process after the camera-ready submission. Papers that pass will receive the "artifact evaluated" badge and there will be a **Best RE Award**.

The **official publication date** is when the proceedings appear in the ACM Digital Library which may be up to two weeks before the conference.