

The HSCC Test-Of-Time Award Call for Nominations

We would like to solicit nominations for the first “HSCC Test-of-Time Award” to recognize the work published at an Hybrid Systems: Computation and Control (HSCC) conference in 2008 or before, which has proven to be the most visionary and impactful, leading to new directions of research being initiated, or new applications being brought into the hybrid systems research community. The award selection is through a committee of three internationally well-known and outstanding scientists who significantly contributed to the hybrid systems field and also to the HSCC organization. Choosing the eventual awardee is at the sole discretion of the selection committee, that will carefully consider the nominated papers and possibly further papers that are eligible for the award.

Deadline for nominating papers for the award: November 30, 2017, 11:59 pm UTC-12.

Background: The HSCC conference series, founded in a meeting in Grenoble after the HART’97 workshop, was a convergence of two trends. On one hand, researchers in formal verification of discrete systems were moving at the end of the eighties to timed systems where quantitative time was introduced, represented by additional clock variables and then started looking also at hybrid systems with continuous variables following more general dynamics. On the other hand, researchers in control were interested in using such models and verification techniques to analyze control systems that fall outside the traditional control models, as happens a lot in real implemented control systems. The first workshop took place in Berkeley in 1998.

It has been 20 years since the first HSCC, and we feel that it is time to reflect on the papers published at HSCC that have had the most impact on the larger computer science and control theory/practice community.

Eligibility Rules:

- The paper should have been published at an HSCC conference, in 2008 or before.
- The paper cannot be co-authored by any person on the selection committee.

Nomination Rules and Procedure:

You cannot nominate papers for which you are a co-author.

To nominate a paper, you should send an email to the HSCC 2018 PC chairs Maria Prandini (maria.prandini@polimi.it) and Jyotirmoy Deshmukh (jyotirmoy.deshmukh@usc.edu) containing the following pieces of information (approximately 500 words overall):

- The title of the paper, the full list of authors, and the year of publication.
- A paragraph describing the larger context in which the work is of relevance, and explaining the importance of the work to the community.
- A second paragraph indicating the strength of the technical or experimental results, and providing some quantifiable metrics (such as number of citations as measured by Google Scholar) as a measure of the impact of the paper. Subjective evidence of the impact is also accepted.

Selection Committee:

The selection committee for the inaugural award is composed of the following distinguished members:

John Lygeros, Professor, Automatic Control Laboratory, ETH Zurich.

Oded Maler, Research Director, CNRS-Verimag, Grenoble, France.

Shankar Sastry, Dean of the College of Engineering, University of California at Berkeley, USA.

Award Details:

The authors of the awarded paper will be notified before the conference. They will receive a certificate at the CPS Week banquet. There will be a cash prize associated with the award. Further details will be made available in due time at <https://www.hsc2018.deib.polimi.it/testoftime>