

Technical Committee on Hybrid Systems (HYSCOM)

Report for the period January 2014 – June 2014

Activities up to and including June 2014:

1. The Hybrid Systems: Computation and Control Conference took place in April 2014, in Berlin, Germany, as part of the cluster of conferences Cyber-Physical Systems Week.

Conference website: <http://2014.hscc-conference.org/committees.html>

The Chair of HYSCOM (Mircea Lazar) supported the initiative of Prof. John Lygeros, Co-chair of HSCC 2014, to obtain IEEE Technical Sponsorship and affiliation of the HSCC conference.

For the first time in the history of the HSCC conference there was an affiliation with IEEE. This helps in linking the HYSCOM activities with the flagship conference of the hybrid systems community, HSCC.

2. The Chair of HYSCOM (Mircea Lazar) participated at the Dagstuhl Seminar 14122, “Verification of Cyber-Physical Systems” and he gave an invited talk on Lyapunov stability theory. This talk has brought to computer science researchers an overview of latest developments in Lyapunov stability theory and explored possible paths for exploiting Lyapunov functions analogies in formal methods.

Workshop website:

<http://www.dagstuhl.de/en/program/calendar/semhp/?semnr=14122>

The above report sums up all the activities of the IEEE CSS TC on Hybrid Systems for the period January – June 2014.

Dr. Mircea Lazar

May, 19, 2014