Report of the IEEE CSS TC on CACSD

From: Fabrizio Dabbene , Chair

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Here is a summary of the activities of the TC during the second semester of 2013.

\*\*\* TC Chair \*\*\*

The current chair Fabrizio Dabbene will step out at the end of 2013.

\*\*\* Meeting \*\*\*

The next TC-CACSD meeting is planned for Thursday, December 12, 2013 during the 2013 IEEE Conference on Decision and Control in Florence.

\*\*\* TC-CACSD webpage

The TC-CACSD has been one of the first TCs to move his web contents to this new platform hosted by the IEEE CSS, at http://computational-aspects.ieeecss.org/. The new webpage is now fully operative, and contains an updated Software Section, an Action Groups Section, and News.

\*\*\* CACSD Symposia \*\*\*

- The 2013 CACSD Symposium has be held at the 2013 Multiconference on Systems and Control (MSC2013) in Hyderabad, August 28 - 30, 2013, see http://www.msc2013.org/. The program chair of the symposium was Prof. Constantino Lagoa, PennState Unversity. The number of papers submitted has been: 26 regular papers (of which 14 accepted, 11 rejected 11 and one withrawn), and 7 invited papers (6 accepted).

- As approved by Board of Governors, from now on the CACSD Symposia will be held on a three year basis. The 2016 CACSD Symposium will be hosted by the MSC 2016, to be held in Buenos Aires, Argentina.

\*\*\* Publication activities \*\*\*

- The chair of the TC-CACSD (F. Dabbene) and the former chair of the TC on System Identification and Adaptive Control (D. Rivera), together with D. Regruto (new chair of TC-SIAD) of Politecnico di Torino, the Guest Editors of a Special Issue on "Relaxation methods in identification and estimation problems" for the IEEE Transactions on Automatic Control. The Special Issue is finalizing.

\*\*\* Conference Activities \*\*\*

- CDC2013 pre-conference workshop: "Relaxation Approaches for Control of Uncertain Complex Systems: Methodologies and Tools" Organizers: Fabrizio Dabbene (CNR-IEIIT), Didier Henrion (LAAS CNRS), Dimitri Peaucelle (LAAS CNRS), Roberto Tempo (CNR-IEIIT)

- Ylle Kotta, chair of the AG on Polynomial Methods, held a plenary lecture at the Conference 'Progress in Difference Equations' in July, 2013, on 'Polynomial tools for discrete-time nonlinear control systems.'

- Nicholas P. Karampetakis has organized 2 invited sessions in MED 13, June 2012, Chania, Crete, Greece for the

retirement of Prof. Antonis Ioannis Vardulakis.