Report of the IEEE CSS TC on CACSD

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Here is a summary of the activities of the TC during the first semester of 2011.

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

The TC-CACSD and the TC-SU had a Joint meeting during the 2011 IEEE Conference on Decision and Control, held in Atlanta in December. The meeting was chaired by Yasumasa Fujisaki, vice-chair of the TC-CACSD, and Graziano Chesi, chair of the TC-SU.

\*\*\* New webpage of TC-CACSD

The new webpage for TC-CACSD, published online in August 2010, is undergoing continuous updates.

A common template for the various Action Group webpages has been distributed to the AG Chairs,

who are updating their respective pages to this format.

\*\*\* 2011 CACSD Symposium \*\*\*

The 2011 IEEE Multi-Conference on Systems and Control, that will be held

in Denver, Colorado, on September 28 - 30, 2011. MSC 2011, will include

for the first time a Joint Symposium on Computer-Aided Control System Design

(CACSD) and Systems with Uncertainty (SU). The Program Chair of the

Joint CACSD-SU is Graziano Chesi.

\*\*\* Action Groups \*\*\*

- New Chair of AG on Polynomial Methods

Ülle Kotta has recently accepted to chair the Action Group on Polynomial Methods for Control System Design. She already prepared a new version of the Action Group web-page.

- New Co-Chair of AG on Hybrid Dynamical Systems

Sayan Mitra has recently accepted to co-chair the Action Group on Hybrid Dynamic Systems. Welcome on-board to Sayan.

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

- Lixian Zhang is organizing a Special Issue on "Advances in Theories and Industrial Applications of Networked Control Systems" in the IEEE Transactions on Industrial informatics.

- Chaouki T. Abdallah, Saverio Mascolo, and Luca de Cicco have organized a Special Issue on "Control in Computing" in Journal of Control Science and Engineering.

- Invited session on "LMI relaxation techniques for system identification" for 2011 IEEE-CDC/ECC -

Diego Regruto from Politecnico di Torino has organized an invited session on the topic of LMI relaxation techniques for system identification as part of the 2011 IEEE-CDC/ECC in Orlando, Florida. This activity is being pursued in collaboration with the TC on that is chaired by Daniel E. Rivera, and is co-organized by the two TC Chairs Rivera and Dabbene.

- THE CHAIR OF THE AG ON INTERVAL METHODS Nacim Ramdani informed that the 4th edition of SWIM, workshop on interval methods, will be held in June, in the City of Bourges, France. Web site is active http://lune.bourges.univ-orleans.fr/ramdani/swim2011/. We have 25 talks (First authors affiliation : 19 French, 4 German, 1 Czech, 1 Japanese). Post-conference proceedings will publish peer-reviewed papers in the Reliable Computing Journal.