

June 2013 Activity Report

From: Zongli Lin, Technical Committee Chair (zl5y@virginia.edu)

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Summary

The committee will meet in Washington, DC in June during the 2013 American Control Conference.

The committee has held a joint meeting with the IFAC Technical Committee on Non-Linear Control Systems at CDC 2012 in Maui. We discussed a range of issues related to better collaboration between the two committees.

The committee sponsored an organized session “Boundless approaches to nonlinear dynamics” at SICE 13th Annual Conference on Control Systems, Fukuoka, Japan, March 5-8, 2013. There were 47 participants at the session.

I have started building the website for the committee. A roster of the committee members have been created on the website. The development of the website will be discussed at the June meeting in DC.

Activities in this reporting period of some members of the committee are:

Claudia Califano:

- Invited Session Organizer (together with C. Moog): “Nonlinear time-delay systems: theory and application,” The 51st IEEE CDC, Maui, USA, December 2012.
- Invited Session Organizer (together with C. Moog): “Nonlinear time-delay systems,” The 11th IFAC Workshop on Time-Delay Systems, February 2013, Grenoble, France, February 2013.
- Reviewer for Automatica, IEEE Transactions on Automatic Control, International Journal of Control, Advances in Engineering Software, CDC 2012, CDC 2013.

Jie Huang:

- Editor for Applications of Nonlinear Systems: International Journal of Robust and Nonlinear Control.
- Guest Editor: ACTA Automatica Sinica, for a special issue on “New Developments for Multi-agent Systems: Modeling, Optimization, Control and Applications, 2013.

Hiroshi Ito:

- Session Organizer: SICE 13th Annual Conference on Control Systems, Fukuoka, Japan, March 5-8, 2013.

Zongli Lin:

- Associate Editor: Automatica.
- Associate Editor: Systems & Control Letters.

- Associate Editor: Science China Information Sciences.

Dragan Nesic:

- Associate Editor: Automatica.
- Co-organizer: Invited session “Event-triggered and self-triggered control,” the 9th IFAC Symposium on Nonlinear Control Systems (NOLCOS 2013), Toulouse, France, September 1-3, 2013.
- Area Chair for NOLCOS 2013.
- Associate Editor: The 4th IFAC Workshop on Distributed Estimation and Control in Networked Systems (NecSys 2013).
- Associate Editor: Australian Control Conference (AUCC 2013).

Manfredi Maggiore:

- Associate Editor: IEEE Conference on Decision and Control.
- Associate Editor: Control Engineering Practice (Elsevier).

Wei Ren:

- Associate Editor: Systems & Control Letters.
- Associate Editor: Automatica Systems. Associate Editor: IEEE CSS Conference Editorial Board.
- Invited Session: Chinese Control Conference (2013).
- Invited Session: The 10th IEEE International Conference on Control & Automation (2013).

Rodolphe Sepulchre:

- Associate Editor: SIAM J. Control and Optimization.
 - Editor-in-Chief: Systems & Control Letters.
 - Associate Editor: J. Nonlinear Science.
 - Associate Editor: Automatica.
 - Associate Editor: Mathematics of Control, Signals and Systems.
- IEEE CSSS Distinguished Lecturer: Visited Beijing for two weeks (April 2013).

Andrea Serrani:

- Associate Editor, IEEE Transactions on Control Systems Technology.
- Associate Editor, Automatica.
- Associate Editor, International Journal of Robust and Nonlinear Control.
- Associate Editor, IEEE Control Systems Society Conference Editorial Board.
- Area Chair, Nonlinear Control of Vehicular and Robotic Systems, IFAC Symposium on Nonlinear Control Systems, 2013.
- Publication Chair, 52nd IEEE Conference on Decision and Control, Florence, Italy, 2013.

Andrew R. Teel:

- Editor for Nonlinear Systems and Control: Automatica.
- Member of IPC and Associate Editor: NOLCOS 2013.
- Program Chair of the 2014 IEEE Conference on Decision and Control. Co-organizer of the 25th Southern California Control Workshop
(<http://sites.uci.edu/25sosalnonlinearnontrolworkshop/>)