

December 2014 Activity Report

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

Date: November 2014

Summary

The committee met in Portland, Oregon, on Thursday, June 5, 4:00-5:00 pm, during the 2014 American Control Conference. Seven members of the committee (Frank Allgower, Graziano Chesi, Jie Huang, Hiroshi Ito, Hassan Khalil, Zongli Lin, Amit Sanyal) attended the meeting. We discussed ideas for promoting nonlinear systems and control both among our research community and our community at large. Our next meeting has been tentatively scheduled to take place in Los Angeles, California, on Tuesday, December 16, 3:00-4:00 pm, during the 2014 IEEE Conference on Decision and Control.

During this reporting period, a couple of new members have joined the committee. The roster of the committee members on the TC's website is up to date. Past TC reports have been uploaded to the TC website. A new page EVENTS has been added to the TC website that lists the upcoming conferences and workshops.

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

Claudia Califano:

- Associate Editor, IMA Journal of Mathematical Control and Information.

Graziano Chesi:

- Associate Editor, Automatica.
- Associate Editor, BMC Research Notes.
- Associate Editor, European Journal of Control.
- Co-organizer, Workshop on Robustness in Identification, Control ... and Beyond!

Zhengtao Ding:

- Associate Editor, IEEE Transactions on Automatic Control.
- Associate Editor, Transactions of Institute of Measurement and Control.
- Associate Editor, Journal of Control Theory and Technology.
- Associate Editor, International Journal of Automation and Computing.
- Associate Editor, Unmanned Systems.
- Associate Editor, IEEE Control Systems Conference Editorial Board.
- Organizer and Chair of two invited sessions at the 2014 World Congress on Intelligent Control and Automation.

Warren Dixon:

- Associate Editor, Automatica.
- Associate Editor, International Journal of Robust and Nonlinear Control.

- Director of Operations for the Executive Committee of the CSS Board of Governors. US Air Force Science Advisory Board.

Jie Huang:

- **Conference organization:**
 - Plenary Panel Chair, the 2015 Chinese Control Conference, Hangzhou, China, July 2015.
 - Member of the International Advisory Committee, the 13th International Conference on Control, Automation, Robotics, and Vision, Singapore, Dec. 2014.
 - Publicity Committee Co-Chair, the 2014 IEEE International Conference on Automation and Logistics Concurrently in conjunction with the 2014 IEEE International Conference on Information and Automation, Hailar, Hulun Buir, China, July 26-31.
 - Regional Chair, the 11th World Congress on Intelligent Control and Automation, Shenyang, China, June 29-July 4, 2014.
 - Invited session. Co-organized the invited session “Networked Controls and Games,” the 19th IFAC World Congress, Cape Town, South Africa, 24-29 August 2014.
- **Editorship:**
 - Associate Editor, Science in China Information Sciences.
 - Member of the Advisory Board, Transactions of the Institute of Measurement and Control.
 - Subject Editor, International Journal of Robust and Nonlinear Control.
 - Editor at Large, Communications in Information and Systems.
 - Associate Editor, ACTA Automatica Sinica.
 - Scientific Editor of Journal of Systems Science and Complexity.

Christopher M. Kellett:

- Member, IEEE Control Systems Society Conference Editorial Board.
- Associate Editor, Mathematics of Control, Signals and Systems.
- Associate Editor, European Journal of Control. Member, IFAC TC on Nonlinear Control Systems.
- Member, Program Committee, the 2014 Australian Control Conference.

Zongli Lin:

- Member, IFAC TC on Nonlinear Control Systems.
- Associate Editor, Automatica.
- Associate Editor, Systems & Control Letters.
- Associate Editor, Science China Information Sciences.
- Associate Editor, Control Theory and Technology.
- Associate Editor, International Journal of Control and Decision.
- Associate Editor, Journal of Systems Sciences and Complexity.

- Associate Editor, Journal of System Control and Information Processing.
- Associate Editor, International Journal of Advanced Mechatronic Systems.
- Member, International Program Committee, 1st IFAC Conference on Modelling, Identification and Control of Nonlinear Systems (MICNON-2015), St. Petersburg, Russian, June 2015.
- Poster Sessions Chair, the 2014 Chinese Control Conference, Nanjing, China, July 2014.
- Invited Sessions Chair, the 2014 Chinese Control and Decision Conference, Changsha, China, May 2014.
- Co-Chair of the Award Committee, the 2014 World Congress on Intelligent Control and Automation.
- Member of Editorial Advisory Board, the Birkhauser book series Control Engineering.

Lu Liu:

- Associate Editor, Transactions of the Institute of Measurement and Control.
- Associate Editor, Control Theory and Technology.

Shuai Liu:

- Member, International Program Committee, the 13th IEEE International Conference on Control, Automation, Robotics and Vision (ICARCV), Singapore, December 10-12, 2014.

Manfredi Maggiore:

- Associated Editor, the 2014 American Control Conference.
- Associate Editor, Control Engineering Practice.

Kristi Morgansen:

- Associate Editor, IEEE Transactions on Control Systems Technology. IEEE CSS BoG. IEEE CSS CEB.

Dragan Nesic:

- Associate Editor, Automatica.

Wei Ren:

- Associate Editor, Automatica.
- Associate Editor, Systems & Control Letters.
- Associate Editor, IEEE Transactions on Control of Network Systems.

Amit Sanyal:

- Member, International Program Committee, the inaugural Indian Control Conference, IIT Madra, Chennai, India, January 5-7, 2015.

Andrew R. Teel:

- Senior editor, Automatica.

- Program Chair, the 2014 IEEE Conference on Decision and Control. Member, IFAC TC on Nonlinear Control Systems.
- Member, Technical Program Committee, 5th IFAC Conference on Analysis and Design of Hybrid Systems (ADHS 2015).
- Member, International Program Committee, 1st IFAC Conference on Modelling, Identification and Control of Nonlinear Systems (MICNON-2015).