

June 2014 Activity Report

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

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Summary

The committee met in Florence, Italy, during the 2014 IEEE Conference on Decision and Control. Over a dozen, both members and non-members of the committee 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 scheduled to take place in Portland, Oregon, on Thursday, June 5, 4:00-5:00pm, during the 2014 American Control Conference.

During the period since January 1, 2014, several new members have been recommended and invited to join the committee. The roster of the committee members on the TC's website is up to date. The development of the website will be a topic of continuing discussion at the June meeting in Portland, Oregon.

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

Claudia Califano:

- Member, IFAC TC on Nonlinear Control Systems.
- Associate Editor, IMA Journal of Mathematical Control and Information.

Graziano Chesi:

- Associate Editor, Automatica.
- Associate Editor, BMC Research Notes.
- Associate Editor, Systems and Control Letters.

Jie Huang:

- **Conference organization:**
 - Member of the International Advisory Committee, the 13th International Conference on Control, Automation, Robotics, and Vision, Singapore, Dec. 2014.
 - Plenary Panel Chair, the 2014 Chinese Control Conference, Nanjing, China, July 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.
 - Member of the Advisory Committee, the 2014 Chinese Conference on Decision and Control, Changsha, China, May 2014.

- Plenary Session Chair, the 11th IEEE International Conference on Control and Automation, Taichung, Taiwan, June 18-20, 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.

Hiroshi Ito:

- Associate Editor, Automatica.

Suresh Josh:

- Co-Organizer, Tutorial Session WeC09: Rendezvous, Proximity Operations and Capture of Space Objects, the 2014 American Control Conference.

Hassan Khalil:

- Guest co-editor (with Laurent Praly), Special Issue of the International Journal of Robust and Nonlinear Control on “High-Gain Observers in Nonlinear Feedback Control.”

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, the 19th IFAC World Congress (IFAC WC 2014).
- Co-Chair of the Award Committee, the 2014 World Congress on Intelligent Control and Automation.

Lu Liu:

- Associate Editor, Transactions of the Institute of Measurement and Control.
- Associate Editor, Control Theory and Technology (was Journal of Control Theory and Applications).
- Invited Sessions Chair, the 11th IEEE International Conference on Control and Automation (ICCA14), Taichung, Taiwan, June 2014.
- Member of the International Program Committee, the 11th World Congress on Intelligent Control and Automation (WCICA2014), Shenyang, China, June 30 –July 2, 2014.

Manfredi Maggiore:

- Associated Editor, American Control Conference and the IEEE Conference on Decision and Control.
- Associate Editor, Control Engineering Practice.

Kristi Morgansen:

- Associate Editor, IEEE Transactions on Control Systems Technology.

Dragan Nesic:

- Associate Editor, Automatica.

Wei Ren:

- Co-Organizer (Organizer: Michael Z. Chen), Invited Session at the 2014 Chinese Control Conference: Multi-Agent Systems and Networked Control (II).
- Associate Editor: Systems & Control Letters.
- Associate Editor: Automatica.

Amit Sanyal:

- Organizer, Tutorial Session WeC09: Rendezvous, Proximity Operations and Capture of Space Objects, the 2014 American Control Conference.

Andrew R. Teel:

- Senior Editor for Automatica.
- Program Chair of the 2014 IEEE Conference on Decision and Control.
- Organizer of 26th Southern California Control Workshop (April 11, 2014).