

Minutes of IEEE CSS TC-SIAC meeting

ACC 2020, Denver, CO, USA

Virtual MS Teams meeting

Friday, July 03, 2020

Number of attendees: 13

Starting time: 12pm, US Mountain Time

Ending time: 13pm, US Mountain Time

This document complements the official slides (available on the official TC website, see <http://system-identification.ieeecss.org/tc-system-identification/reports>) with comments, notes and questions made during the meeting.

STATUS

The TC members are warmly invited to encourage their students to become members of the TC and actively participate to the meetings. The objective is to involve young researchers in all the discussions regarding the future of system identification and adaptive control, as well as to make them aware of the main mechanisms behind the organization of events and the dissemination of scientific results, in order to serve the community at their best.

ACTIVITIES

In order to prepare a short report about the TC activities for CSM, we need to collect all the information about incoming events and initiatives. We could exploit this opportunity also to advertise interesting research and/or technology transfer activities. Therefore, the TC members are kindly invited to send me not only a list of their recent activities, but also figures, videos or nice plots describing their work.

During the meeting, Steffi Knorn and Damiano Varagnolo talked about their research activity on the use of system identification tools for teaching analytics. The aim is to create software tools helping the lecturers not only to teach, but also to evaluate the students' preparation. For more details, please write to steffi.knorn@ovgu.de or damiano.varagnolo@ntnu.no.

OPPORTUNITIES

About the TC awards, it has been clarified that such awards fulfill two roles: (i) recognize young talent associated with a technical area, (ii) promote student membership and participation in the TCs. Currently, TCs have very few student members (which is a situation that we expect to correct by introducing these awards). In view of this, the TC membership requirement could be "waived," or to be more specific, the student could become a member of the TC after the paper was submitted. For some students, paying the IEEE+CSS membership fees can be a financial burden (\$32/year for IEEE + \$13/year for CSS). The TC could try to help, at least the winner of the award, using the yearly budget.

The nomination and selection process still need to be fixed. The goal is to have a minimalist nomination process with minimal workload to the conference organizers. In principle, any TC member could nominate a paper to the award through an email to the TC chair. The email needs to contain a statement that the student is the primary author of the paper. Self-nominations are likely to be allowed, but the nomination email will have to be carbon-copied to all the authors.

The selection committee consists of 4-5 person selected by TC chair in consultation with CSS Awards Chair and/or the Vice-President for Technical Activities. Members of the selection committee

cannot nominate any paper and cannot be co-authors in any of the papers under consideration for the award. The selection process is mostly managed by TC chair, who makes a recommendation to the general conference chair that holds power for the final decision. This guarantees oversight by independent entity.

In 2020, the following TCs will participate in the trial-run: *Joint Hybrid Systems + Discrete-Event Systems*, *Joint Health and Medical Systems + Systems and Synthetic Biology*. Our TC expressed interest in participating, but we have been asked to team up with others. I will get in contact with the TC chairs on Intelligent Control and Nonlinear Systems and Control to evaluate possible cooperation.

A FINAL NOTE

The meeting ended with an interesting discussion among the participants about how to present our activities outside the TC and the interaction with the machine learning communities. The participants expressed their preference that the name of the TC remains unchanged, but the future activities and events should be open to a wider community. I was asked to say a few words about this also in the next article appearing on CSM to describe the status of our TC.

For any comments or remarks, please contact simone.formentin@polimi.it.