

IEEE Control Systems Society
Technical Committee on Healthcare and Medical Systems

Minutes of the TC meeting on July 2, 2015 at the American Control Conference in Chicago

Submitted by Caterina Scoglio, Chair
July 21, 2015

Attendees:

Caterina Scoglio	Kansas State Univ.
Daniel Rivera	Arizona State Univ.
Paulo Lopes dos Santos	University of Porto, Portugal
Eric Rogers	University of Southampton
Martha Grover	Georgia Institute of Technology
Cesar Martin	Arizona State University
Rajesh Rajamani	University of Minnesota
Robert Gregg	University of Texas, Dallas
Ryan Zurakowski	University of Delaware
Jose Ramos	Nova Southeastern University

The meeting started at 4:10pm with participants introducing themselves.

The chair Caterina Scoglio presented the activities of the last six months and some options for future activities.

Past activities: We have collected research keywords from TC members and added them to the TC webpage. Unfortunately, the information is not complete since some members have not yet sent their research interest keywords. We plan to solicit members again asking them to send this information. Additionally, it seems better to add a new field to the member databased about research interests. We have asked Chris Dyer to add the new field, and we will transfer the information. Research interests will not be visible in the main page, but they will appear when clicking on the member's name.

We have discussed how to group the wide research interests of this Technical Committee. The following is a tentative list:

- Disease modeling, identification, prediction, and treatment,
- Medical and healthcare devices,
- Drugs and therapeutics.

Further discussion is needed on this issue.

Future activity: We plan to write an article for the Control Systems Magazine on the activities of the TC. The article will illustrate the main research topics of the TC, provide a description of main challenges in our research field, exemplify successful projects, list future events, and include engaging pictures. The deadline is August 1, 2015 for this paper.

The TC discussed to organize specific sessions at ACC 2016 in Boston. Two invited sessions will be possibly proposed: one on modeling and control in behavioral health organized by Daniel Rivera and one on modeling of diseases, organized by Caterina Scoglio. The committee will also consider organizing a

special session on the challenges of our interdisciplinary research with NIH and NSF program directors invited to speak. Daniel Rivera, who is Vice Chair for Invited Sessions at the 2016 ACC reported that the conference program will feature an “Applications Friday”, with focus on applications-related research. The deadline for the invited and special sessions is around September 15, 2015. All members are encouraged to organize an invited session within our TC.

Last topic we discussed was how to include more content on our TC webpage. All members are invited to send links of books, videos, and important articles that can illustrate and provide fundamental information on our TC research areas.

Finally, Caterina Scoglio reported about other activities that should be also considered by the TC in the future:

- Contribute to the Wikipedia project
- Develop special issues for journals
- Organize summer school
- Organize workshops

We plan to hold the next TC meeting during CDC 2015 in Osaka Japan, December 15-18.