Minutes of
IEEE CSS TC-SIAC meeting
CDC 2016, Las Vegas, USA
ARIA Hotel and Casino, Las Vegas, NV
Tuesday, December 13th, 2016

Number of attendees: 25
Meeting duration: 1h30
The slides used for this meeting are available on the TC web-page http://system-identification.ieeecss.org/tc-system-identification/documents

Summary of the main ideas discussed during the meeting

In addition to a description of the main recently completed/on-going activities of the TC (see slides for more details), the main part of this meeting has been dedicated to discussions concerning the Wikipedia project.

For several years now, many efforts have been made by the Control System Society to improve the Wikipedia pages dedicated to control science and technology. The task of taking care/improving the Wikipedia pages has been more specifically assigned to the TCs. Our TC was thus invited to take care of the most important pages related to system identification and adaptive control. Girish Chowdhary and Tansel Yucelen are the leaders of the TC-SIAC working group dedicated to this Wikipedia project. Notice also that this project is conducted in collaboration with the IFAC cluster CC1 Signals and Systems (chaired by Håkan Hjalmersson, TC-SIAC member), and more specifically with the TC on Modelling, Identification and Signal Processing (chaired by Marco Campi).

Thanks to Girish Chowdhary and Tansel Yucelen, a situation assessment has been established via a quasi complete listing of the pages dedicated to data-driven modeling, system identification and/or adaptive control. The situation being alarming, it has been unanimously decided to change the situation by the end of 2017.

Next steps and work to do

In order to increase our visibility on Wikipedia, the following multi-step procedure has be suggested
  • ask the TC members if they want to be contributors,
  • create a tutorial, even a page template, to help and guide the contributors write the Wikipedia pages,
  • start writing the Wikipedia pages by focusing first on a short paragraph summarizing the main ideas of the topic considered in the chosen Wikipedia page.
During this CDC meeting, several topics (like, *e.g.*, dynamical network identification, experiment design, robust adaptive control) have been highlighted and several attendees have expressed their wish to start writing the pages dedicated to these specific SIAC topics. Girish Chowdhary and Tansel Yucelen will write a tutorial to guide the contributors write the Wikipedia pages. This tutorial should be available to any contributors by the end of Januray 2017. Girish Chowdhary and Tansel Yucelen will also be in charge of generating the links between the new Wikipedia pages and the existing pages. On top of that, Lennart Ljung intends to write a general page dedicated to system identification based on a text used for a specific Springer edited document. Notice finally that the last task among the items listed above must be completed by the end of May, then shared during our next meeting in Seattle (ACC 2017, May 24–26, 2017).

In parallel to this project, the idea of creating a page on the TC SIAC website dedicated to a system identification and adaptive control thesaurus has been suggested. More precisely, in order to make our website more attractive for students, even for industry members, a list of important definitions useful to understand what system identification and adaptive control consist in could be written by the TC members (as a side outcome of the Wikipedia pages), then made available on the TC SIAC web-page. In order to make this thesaurus attractive, we also suggest adding important references (associated with url links) for each definition in order to help the reader go further.