



Meeting of the CSS Technical Committee on Automotive Control

5th June 2014,
Portland, OR

Conference Activities 1/14-6/14

Invited sessions 52nd IEEE CDC 2012 (in collaboration with ASME): 2

Invited session at ACC 2014 (led by ASME): 5

Collaboration with ASME for ACC '15 Invited Sessions

Should we consider invited sessions at:

- Request to support Conference in Control Applications
- Request to support invited sessions and panels at ECC 2015.

Dissemination Activities 06/12-12/12

Started LinkedIn group:

>130 members, not so many discussions and postings

CSS website:

organized,

I got some data from members but it will be re-organized by CSS

<http://automotive-controls.ieeecss.org/>

Future Activities: Special Issue IEEE TCST

We have the OK (and blessing) from TCST EiC

WE need 3-4 formal Guest Editors (SDC+ 2-3), and a lot of help.

See -> Seen

Automotive controls: improving today's vehicles, enabling tomorrow's mobility

Several novel vehicle technologies have been introduced in recent years, including downsized turbocharged powertrains, electrification and active safety systems.

The field is still moving at a very fast pace and new and challenging technologies are emerging, such as connectivity and cloud computing, varying combustion modes, and autonomy/semi-autonomy. Although not often seen, control is a key enabler for today's and tomorrow's technologies, and it is now recognized as a fundamental part of any vehicle architecture.

This special issue looks at recently introduced and future technologies in automotive vehicles from the point of view of the control algorithms and of the computational intelligence that enable their application in real vehicles. The contributed papers to this special issue will show the impact of control in novel automotive technologies through the results obtained by implementing the algorithms in prototype vehicles, and/or high confidence simulation models validated with experimental data.

Future TC Activities: Wikipedia

CSS called for properly re-formulate Wikipedia Entries on control

Activity coordinated by Prof. P. Antsaklis.

Each TC should begin updating the entries in the corresponding domain.

Can we assign 1 entry each to add/update?

LATE: J. Stoustrup should be in charge but no contact yet

Change expected at the end of 2014

Nomination welcome.

Decision taken by CSS BoG