

IEEE CSS Technical Committee on  
Automotive Control  
Meeting  
2015 ACC

July 2<sup>nd</sup>, 2015  
Chicago

# New TC Chair

Decision taken by CSS BoG and announced at the CDC14 in Los Angeles, CA:

New chair 2015-2017 term: Simona Onori

## Past Chairs:

- Stefano Di Cairano (2012-2014)
- Francesco Borrelli (2009-2011)
- Ilya Kolmanovsky (2006-2008)
- Rajesh Rajamani (2003-2005)
- Jessy Grizzle and Luigi Glielmo (1999-2002)

# Stefano's heritage..

Website re-designs: 2

Meetings: 7

Workshop: >50 registrants, >15 talks

Invited sessions organized: ...too many to be counted

Good discussions and interesting view points: ....simply uncountable



# TC activity: in progress

CSS website re-organized

- Update the TC webpage: <http://automotive-controls.ieeecss.org/>

NAVIGATION

HOME

TC MEMBERS

DOCUMENTS

EVENTS

View Edit Delete Rearrange

HOME

Mission Statement

The scope of interest of the **Technical Committee on Automotive Control** covers modeling, simulation, identification, estimation, control and diagnostics of present and future automotive

ADMIN

MY ACCOUNT

PAGES LIST

CREATE CONTENT

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need to add more info on members

What the TC is doing

# TC activity

- Column on TC activities will be in the August issue of CSM

“Current research needs being faced by the TC on AC”

# TC activity: Invited Sessions

## **Invited sessions at 2015 ACC: 3**

Organizing committees:

CSS AC-TC and ASME ATS- TC

1. Estimation and Control of Advanced Internal Combustion Engines
2. Modeling and Control of Driver Assistance Systems
3. Control-Oriented Modeling of Advanced Internal Combustion Engines

## **Invited sessions at ECC 2015: 2**

Organizing committees:

CSS AC-TC and IFAC AC-TC

1. Control and Optimization for Automotive Application
2. Modeling and Simulation for Automotive Application

# TC activity: Invited Sessions

## **2016 ACC – Boston, July 6-8**

- Sessions will be organized with the ATS-TC ASME
- CFP for invited sessions will be sent out on August 1<sup>st</sup>, 2015
- Draft papers due September 19<sup>th</sup> to be considered for invited sessions (submission deadline Sept. 27<sup>th</sup> )
  
- Looking for volunteers..

# TC activity: Invited Sessions

## Advances in Automotive Control - 8th AAC 2016

IFAC Symposium on

More information about this event...



|                       |  |
|-----------------------|--|
| When                  | Jun 20, 2016 09:10 AM Jun 23, 2016 09:10 AM to             |
| Where                 | Kolmården Wildlife Resort (near Norrköping), SWEDEN        |
| Contact Name          | <a href="mailto:aac2016@isy.liu.se">aac2016@isy.liu.se</a> |
| Add event to calendar | vCal<br>iCal   |

|                          | Type of submission       | Open             | Deadline        |                        |
|--------------------------|--------------------------|------------------|-----------------|------------------------|
| <b>First submissions</b> | Contributed Paper        | July 1, 2015     | October 1, 2015 | <a href="#">Submit</a> |
|                          | Invited Session Proposal | July 1, 2015     | October 1, 2015 | <a href="#">Submit</a> |
|                          | Invited Paper            | July 1, 2015     | October 1, 2015 | <a href="#">Submit</a> |
| <b>Final submissions</b> | Contributed Paper        | February 1, 2016 | March 1, 2016   | Closed                 |
|                          | Invited Paper            | February 1, 2016 | March 1, 2016   | Closed                 |

## 2016 AAC – Sweden

- Co-sponsor Invited Sessions with IFAC AC -TC



# TC activity: Workshop

- Organizing  
**2016 IEEE Workshop on Open Problems and Challenges in Automotive Control**
- In 2013 the Workshop was held in Washington DC just right after the ACC (on Thursday)

TBD:

1. Can we still call it "**Workshop**"?
2. Is the 2016 ACC the right "occasion" to hold it?

Guess what??....we look for volunteers 😊

# Future Activities: Special Issue IEEE TCST

## FROM LAST YEAR MEETING

We have the OK (and blessing) from TCST EiC  
but we still need 3-4 formal Guest Editors [with experience](#),  
... and a lot of help.

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

# Discussion