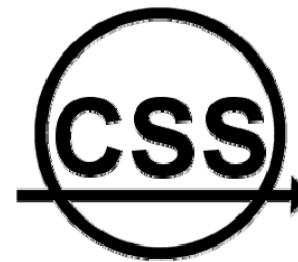
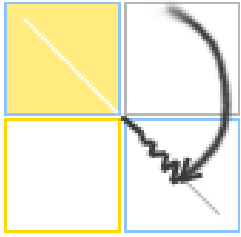


---

TC on **VSS & SMC**  
**2016-1 Meeting**



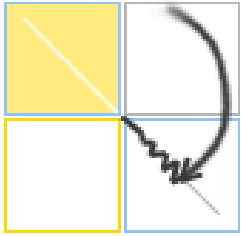


# EC of TC **VS&SMC** **Meeting 2016-1**

---



1. New EC members
2. TC Goals and Structure
3. VSS18 organization
4. Organization of the schools
5. Books publication
6. Special Issues
7. Special Sessions organization
8. TC promotion
- 9. Professional Ethics**

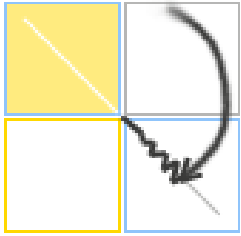


# NEW EC MEMBERS CONGRATULLATIONS!



- Professors Johann Reger (Universty of Ilmenau, Germany, <https://www.tu-ilmenau.de/regelungstechnik/mitarbeiter/johann-reger/>)
- Professor Elio Usai (Universty of Cagliari, <http://people.unica.it/eliousai/curriculum/>),
- Professor Tiago Oliveira Roux  
<http://www.eng.uerj.br/prof/tiagoroux>  
(State University of Rio de Janeiro Brazil).

•

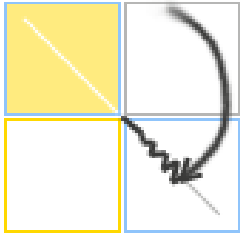


# The goals of the TC

---



- **Coordination** of the work of the groups
- **Organization** of Workshop
- **Organization** of School for young researchers
- **Publication** of books and Special Issues
- **Organization** of Special Sessions/Workshops in CDC,ACC,IFAC..
- **Support for VSS&SMC Wikipedia(new!)**



# TC VS&SMC Structure

---

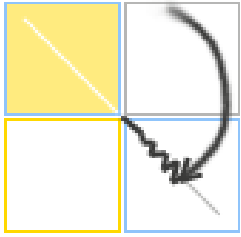


Community Member (they do not need to be IEEE CSS members)

## Rights

- Receive all of the information about the community
- Send the proposals, suggestions, information about new publications

To be community member it is necessary to register in the mail list of VSS community [ieee-vssmc@listserv.tau.ac.il](mailto:ieee-vssmc@listserv.tau.ac.il)



# TC VS&SMC Structure

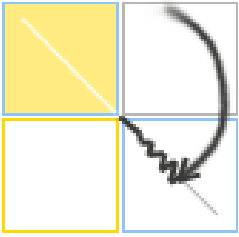
---



Members (they need to be IEEE CSS members)

## Rights

Level 1 + send to TC chair a request to a elaborate membership letter



# TC VS&SMC Structure

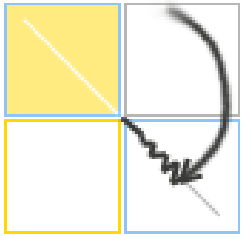
---



## Level 3. Executive Committee

### Rights

- Level 1
- +
- Receive EC information
- Send proposals for EC members
- Votes for decisions



# TC VSS&SMC Structure



---

## Level 3. Executive Committee members

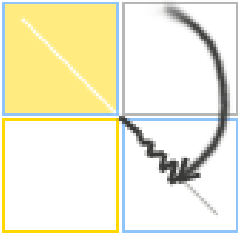
1. One representative for one country

The uniformity of countries

2. Distinguished scientists

- Editors of IEEE CSS and IFAC journals
- 10 years experience in the field
- 10 papers IEEE CSS journals
- PhD graduated in the field





# TC VS&SMC Structure

---



## Executive Committee members

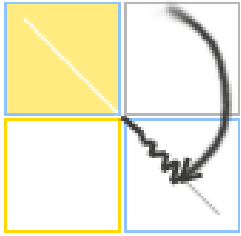
### Suggestion 1

In order to keep the representation of TC in some countries  
The EC members should confirm their willing and ability to  
participate in EC correspondence and EC meetings **every  
year**

### Suggestion 2

#### Emeritus members

Retired member of EC which are not participating  
frequently in the meetings but will receive the information  
of EC and participate in EC e-mail discussions

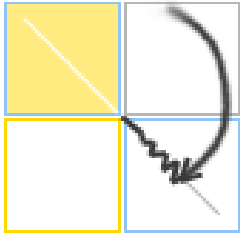


## VSS18 organization



EC supported VSS18 organization in Graz,  
Austria, July, 7th -9th, 2018

**CONGRATULLATIONS!**



# Summerschools

---

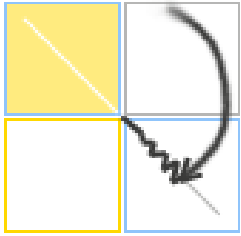


**Proposal supported by IEEE(9000 USD)**

Spring School, October, 25<sup>st</sup>- 31<sup>st</sup>, 2016, IITB, Mumbai,  
India

**Summerschool announced**

Early September 2017, Retzhof, Steier, Austria



# **Books publication**

---



## **Books publication**

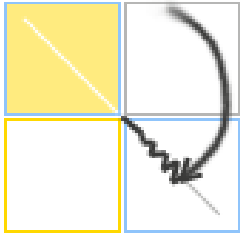
**Leonid Fridman, Jean Pierre Barbot, Franck Plestan**  
**Recent Trends in Sliding Mode Control, IET, 2016**

print ISBN : 978-1-78561-076-9

ebook PDF ISBN : 978-1-78561-077-6

## **Book after VSS16**

The contract with Springer BM for volumen in Studies in Systems, Decision and Control Serie



# Special Issues

---

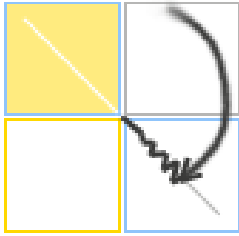


## Special Issues published

Y. Shtessel, **L. Fridman**, F. Plestan. Adaptive Sliding Mode Control and Observation. International Journal of Control, DOI: 10.1080/00207179.2016.1194531

## Special Issue announced

“Sliding Mode Control and Observation for Complex Industrial Systems” on IEEE Transactions on Industrial Electronics, organized by Prof. Ligang Wu, Prof. Sudip K. Mazumder, and Prof. Okyay Kaynak



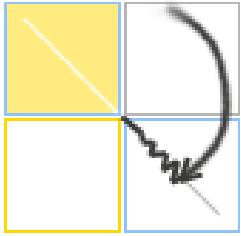
# Special Sessions

---



## Pre CDC16 Workshop

Continuous Higher-Order Sliding Modes Controllers.  
Organizers: L.Fridman, J. Moreno



# TC Promotion

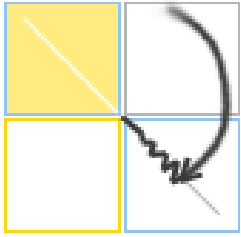
---



NOTE published

**L. Fridman.** Technical Committee on Variable Structure and Sliding-Mode Control. IEEE control systems 36(3):18-20 · May 2016, DOI: 10.1109/MCS.2016.2535917

106 reads on [Researchgate.net](https://www.researchgate.net) during the first week!



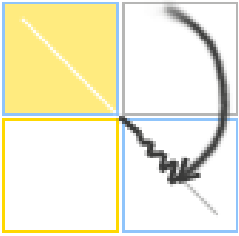
# Rules for chapters preparation

---



- Do not put the chapters connected with one paper only.
- Avoid copy- past
- Do not repeat the graphs
- Avoid the sentences like “chattering free sliding mode”
- Present novelty letter referring the difference between the chapters and the papers summarized and certifying there is no plagiarism





# Simulations

---



1. Put correct simlattions only
2. Make precision tests
3. Avoid the sentences like “chattering free sliding mode”