

Location and Venue

Location

Grenoble is the capital of the French Alps, with about 500.000 inhabitants and 60.000 students, located at only 30 min from the mountain parks/ski resorts. It is surrounded by the well known mountain ranges : Chartreuse, Vercors and Belledonne.



Venue

This IFAC joint conference is held at the World Trade Center Grenoble, located in the new business district of the city, nearby the railway station.

City center can be easily reached by plane from two airports Lyon Saint-Exupery (LYS) or Geneva (GVA, Switzerland). From LYS, a bus shuttle links Grenoble railway station in 1 hour (24 shuttles per day). From GVA, a bus shuttle (2 hours) or a train is possible.

By train, frequent services stand from Paris (3 hours TGV, 8 per day) and from Lyon (1 hour by train). Some TGV's do have a stop at Lyon Saint-Exupery airport.

Copyright notice

The material submitted for presentation at the conference must be original, not published or being considered elsewhere. All papers accepted for presentation will appear in the (electronic) Preprints of the meeting and will be available for download by the participants. Proceedings will be hosted on-line on the IFAC-PapersOnLine.net website. The presented papers will be further screened for possible publication in the IFAC Journals (Automatica, Control Engineering Practice, Annual Reviews in Control, Journal of Process Control, Engineering Applications of Artificial Intelligence, and Mechatronics), or in IFAC affiliated journals. All papers presented will be recorded as an IFAC Publication. For further Copyright information, please refer to <http://www.ifac-control.org/publications/copyright-conditions>.

Key dates

- Invited session submission June 1st, 2012
- Regular Paper Submission June 15, 2012
- Notification of acceptance September 15, 2012
- Final Paper Submission November 1, 2012
- Conference February 4-6, 2013



Registration fees

- Early regular registration 550 €
- Late regular registration 650 €
- Student registration 300 €

The registration fees include the conference access and material, coffee breaks, lunches, welcome and opening receptions, conference banquet (except for the student).

National Organizing Committee

O. Sename (NOC Chair), P. Tona (NOC Vice-Chair Industry), J. Zaytoon (NMO representative, SEE, janan.zaytoon@univ-reims.fr), M.-R. Alfara, A. Bratcu, T. Champier, M. Di Maria, L. Dugard, H. El Mansouri, D. Koenig, J.-J. Martinez-Molina, S. Mocanu, C. Prieur, D. Simon, A. Voda, E. Witrant.

Contact information

WEBSITE : <http://www.gipsa-lab.fr/SSSC2013>

CONTACT : sssc2013@gipsa-lab.grenoble-inp.fr



IFAC Joint Conference :

5th Symposium on System Structure and Control
11th Workshop on Time-Delay Systems
6th Workshop on Fractional Differentiation and its Applications

Grenoble (France)

February 4-6, 2013



Background

The origins of the IFAC SSSC go back to the IFAC workshops first held in Prague, Czech Republic in 1989 and 1992 and subsequently in Nantes, France in 1995 and 1998 as conferences. More recently, TDS was first held in Grenoble, France in 1998 while FDA was in Bordeaux, France in 2004.

Scope

This "Joint Conference" gathers all the activities of the IFAC TC 2.2 Linear Control Systems: Control and structure, Time-delay systems and Fractional differentiation. The aim is to bring together experts working in systems and control to discuss new trends, exchange new ideas, establish fruitful contacts, and promote interactions among the various fields of interest. Applications and industry papers are encouraged.

The conference will be organized in 4 tracks :

- **Track A - Control Theory** : Linear systems, switching systems, LPV systems, sampled-data systems, non-linear systems, systems with saturation, uncertain systems, polynomial systems, positive systems, complex systems, identification, structural approaches, MIMO control, robust control, predictive control, model reduction, observers.
- **Track B - Control Applications** : Automotive, aerospace, robotics, chemical processes, biological systems, energy and nuclear, sustainable development, numerical issues in control, network controlled-systems.
- **Track C - Time-Delay Systems** : Modeling and identification, stability and stabilization, robustness issues, observation, control design, infinite dimensional systems, distributed parameter systems, applications with time-delays
- **Track D - Fractional Differentiation and Applications** : Analysis tools, biomedical engineering, fractional earth science, fractional filters, fractional order modeling and control, fractional transforms and their applications, filtering, image processing, mechanics, observation, wavelet applications, Electrochemistry, Thermal systems, Economy, Mathematics.

Call for papers

Papers must be submitted through the conference submission website (PaperPlaza: css.paperplaza.net) and should be prepared in accordance with the IFAC-Elsevier style (style files are available on the conference homepage). The length of both the submitted and final manuscripts is limited to six (6) pages long. Acceptable file format is PDF only.

The draft paper should clearly indicate the merits of the new contributions, the relevance to the topics and areas of the conference and related literature to allow a fair reviewing procedure by the International Program Committee. Only unpublished material may be submitted.

The Program Committee also solicits proposals for invited sessions within the technical scope of the conference. These proposals should contain six (6) full papers, or five (5) including a survey paper limited to 12 pages. Should you wish to suggest special sessions and workshops, please don't hesitate to contact us at sssc2013@gipsa-lab.grenoble-inp.fr.



Organizing Committee

Chair : O. Sename (FR)

Co-Chair : J. Bokor (HU)

NOC Vice-Chair Industry : P.Tona (FR)

Publication Chair : E. Witrant (FR)

Publication co-Chairs : J.-J. Martinez-Molina (SSC), A. Seuret (TDS), J. Sabatier (FDA)

IPC Chair: Luc Dugard,

IPC CoChairs: M. Lovera (SSC), E. Fridman (TDS), J. Tenreiro Machado (FDA), V. Talon (Industry)

International Program Committee (IPC)

Abdallah, C. T. (USA)	Loiseau, J.-J. (FR)
Allgower, F. (D)	Lovera, M. (IT)
Autriquer, L. (FR)	Magin, R. (USA)
Baleanu, D. (TR)	Malabre, M. (FR)
Bettayeb, M. (AEU)	Malti, R. (FR)
Blondel, V. (BE)	Mehdi, D. (FR)
Bokor, J. (HU)	Melchior, P. (FR)
Boukhobza, T. (FR)	Michiels, W. (BE)
Caponetto, R. (IT)	Mirkin, L. (IL)
Chen, J. (USA)	Mondié, S. (MX)
Chen, W. (CN)	Niculescu, S. I. (FR)
Chen, YQ (USA)	Olgac, N. (USA)
Commault, C. (FR)	Ortigueira, M. (PT)
Conte, G. (IT)	Oustaloup, A. (FR)
D'Andréa-Novel, B. (FR)	Ozbay, H. (TR)
Daafouz, J. (FR)	Pepe, P. (IT)
Dambrine, M. (FR)	Perdon, AM. (IT)
Darouach, M. (FR)	Perruquetti, W. (FR)
De Souza, C. (BR)	Petit, N. (FR)
Di Loreto, M. (FR)	Plestan, F. (FR)
Dion, J.-M. (FR)	Poignet, P. (FR)
Dochain, D. (BE)	Ran, A. (NL)
Dugard, L. (FR)	Richard, J.-P. (FR)
Fliess, M. (FR)	Sabatier, J. (FR)
Fridman, E. (IL)	Savaresi, S. (IT)
Garulli, A. (IT)	Scalas, E. (IT)
Gaspar, P. (HU)	Scherer, C. (D)
Giua, A. (IT)	Sename, O. (FR)
Gomes da Silva, J. (BR)	Sipahi, R. (USA)
Gouaisbaut, F. (FR)	Stoorvogel, A. (NL)
Grigoriadis, K. (USA)	Szabo, Z. (HU)
Gu, K. (USA)	Talon, V. (FR)
Guelton, K. (FR)	Tarbouriech, S. (FR)
Guerra, T.-M. (FR)	Tenreiro Machado J. (PT)
Henrion, D. (FR)	Trujillo, J. J. (SP)
Karcianas, N. (UK)	Van der Woude, J. (NL)
Karimi, A. (CH)	Vasca, F. (IT)
Kharitonov, V. (RU)	Verhaegen, M. (NL)
Kiryakova, V. (BG)	Verriest, E. (USA)
Lafay, J.-F. (FR)	Vinagre, B.M. (SP)
Lanusse, P. (FR)	Winkin, J. (BE)
Laroche, E. (FR)	Zhong, Q.-C. (UK)
Li, C. (CN)	Zwart, H. (N)