



6th IFAC Symposium on System Structure and Control &

13th IFAC Workshop on Time Delay Systems



June 22-24, 2016
Istanbul Technical University
Istanbul, Turkey



First Announcement and Call for Papers

The organizing committee extends a cordial invitation to you to join us in Istanbul on June 22-24, 2016 for **Joint IFAC Meeting 6th Symposium on System Structure and Control (SSSC2016) and 13th Workshop on Time Delay Systems (TDS2016)**.

The origins of the IFAC Symposium on System, Structure and Control goes back to the IFAC workshops held in Prague, Czech Republic in 1989 and the 5th was held in Grenoble, France jointly with TDS and FDA.

The interest of the scientific community in the control of delay systems, and its applications was conveyed through a series of the workshops on Linear Time Delay Systems since July 1998 (Grenoble, France). This 13th workshop carries the same tradition and will be held jointly with SSSC in Istanbul June 22-24, 2016.

Venue and Accommodation

Istanbul is one of the most attractive cities of the world as a unique city established on two continents, which are separated by a narrow strait Bosphorus. It has been the capital of the Roman, Byzantine and Ottoman empires for nearly 1600 years, from 330 to 1923. It is easily accessible by its two international airports (IST and SAW) with direct flights from more than 100 countries.

The meetings will be held at *Istanbul Technical University Taşkışla Building* which is conveniently located at the vibrant city center (less than 5 minutes walking distance to Taksim Square). There are plenty of choices for accommodation around Taksim Square, ranging from budget hotels to five star hotels.

Key Dates

Submission site opens:
September 15, 2015

Submission of contributed papers and invited session proposals closes:
December 15, 2015

Decision letters are sent:
March 15, 2016

Registration opens:
March 20, 2016

Early registration and final paper upload:
April 20, 2016

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General Chair and NOC Co-Chair: Prof. Hitay Özbay, Bilkent University, Turkey
NOC Co-Chair: Prof. Ali Fuat Ergenç, Istanbul Technical University, Turkey
Program Editor: Prof. İbrahim Beklan Küçükdemiral, Yıldız Technical University, Turkey
IPC Chair for SSSC: Prof. Anna Maria Perdon, Università Politecnica delle Marche, Italy
IPC Co-chairs TDS: Prof. Tomas Vhlyidal, Czech Technical University, Czech Republic
Prof. Wim Michiels, KU Leuven, Belgium



Program and Topics

The joint conference will be held in three parallel tracks as follows:

Track A (Theory Under SSSC): Linear systems, structural properties, multivariable systems, decoupling problems, decentralized control, regulation, disturbance rejection, model matching, model reduction, time-varying systems, LPV systems, switched linear systems, multidimensional systems, output feedback control, observers for linear systems, linearization based control of nonlinear systems, input constrained systems, uncertain systems, robust control and analysis, complex systems, positive systems, descriptor systems, diagnosis and fault tolerant control.

Track B (Applications Under SSSC): Automotive systems, aerospace, biological systems, chemical processes, energy and nuclear systems, mechanical systems, mechatronics, network controlled systems, numerical issues in control, power systems, process control, robotics, transportation systems, vibration and control, and other emerging control applications where recently developed theoretical methods are applied.

Track C (Under TDS): Time-delay systems modelling and identification, stability and stabilization, robustness issues, filtering and estimation, control design, output feedback control under I/O delays, predictor based control, non-linear time-delay systems, distributed parameter systems, Infinite dimensional systems, numerical methods, algebraic methods, sampled-data control, hybrid systems with time delays, applications of time-delay systems.

Registration

There will be a single conference registration fee for the SSSC and TDS attendees: €450 for early registration (by April 20, 2016) and €550 for late registrations. The student registration fee will be €225 by April 20, 2016, and €275 after the early registration date. The regular registration fee includes welcome reception, gala dinner on a cruise boat on the Bosphorus, and farewell reception. A participant's guest attending social events will be charged a student registration fee.

Paper Submission and Publication

Prospective participants are invited to electronically submit full papers of their work following the instructions on the conference website. Paper submissions will be handled via the online system PaperCept. The system will open for submissions of invited session proposals and contributed papers on **September 15, 2015**.

Conference proceedings will be published online at the website of IFAC - PapersOnLine and will receive an ISBN number and the ISSN number of the series. The presented papers will be further screened for possible publication in IFAC Journals.

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