12th International conference on Sciences and Techniques of Automatic control and computer engineering – STA'2011

December 18–19–20, 2011, Sousse, Tunisia

General Co-Chairs
Mohamed CHAABANE, Tunisia
Germain GARCIA, France
Program Co-Chairs
Yassine KOUBAA, Tunisia
Driss MEHDI, France
Invited Sessions Co-Chairs
Ridha Ben ABDENNOUR, Tunisia
Didier MAQUIN, France
Tutorials Co-Chairs
Abdessattar CHAARI, Tunisia
Faouzi M'SAHLI, Tunisia
Workshops Co-Chairs
Tarak DAMAK, Tunisia
Ahmed EL HAJJAJI, France
Organization Co-Chairs
Maher KHARRAT, Tunisia
Amine TRABELSI, Tunisia
Organization Members
Hafedh ABID, Tunisia
Sofiène HAJJI, Tunisia
Tarak MAATOUG ,Tunisia
Industrial Liaison/ Publicity
Khaled ELLEUCH, Tunisia
Mourad KCHAOU, Tunisia
International Advisory Board
Mohamed Naceur ABDELKRIM, Tunisia
Abdelwaheb AITOUCHE, France
Meftah M. ALMRABET, Libya
Khaled BELARBI, Algeria
Ouadie BENNOUNA, France
Mohamed BENREJEB, Tunisia
Abdelaziz BENSRHAIR, France
Abdallah BENZAOUIA, Marroco
Jacques BERNUSSOU, France
Mohamed BOUSSAK, France
Gérard CHAMPENOIS, France
Vincent COCQUEMPOT, France
Boutaieb DAHHOU, France
Bassam DAYA, Lebanon
Nabil DERBEL, Tunisia
Rachid DHIFAOUI, Tunisia
Noureddine ELLOUZE, Tunisia
Najib Essounbouli, France
Mondher FARZA, France
Gérard FAVIER, France
Salim FILALI, Algeria
Farhat FNAIECH, Tunisia
Jean Paul GAUBERT, France
Moncef GOSSA, Tunisia
Abdelaziz HAMZAOUI, France
Nicolas HERAUD, France
Hichem KALLEL, Tunisia
Lotfi KAMOUN, Tunisia
Mohamed Ben Ali KAMOUN, Tunisia
Mohamed KAMOUN, Tunisia
Samira KAMOUN, Tunisia
Mekki KSOURI, Tunisia
Chrifi Alaoui LARBI, France
Mohamed M'SAAD, France
Kouider Nacer M'SIRDI, France
Noureddine MANAMANI, France
Ricardo A.R. MENDOZA, Mexico
Fouad MESQUINE, Morocco
Radhi MHIRI, Canada
Mohamed Faouzi MIMOUNI, Tunisia
Lotfi MTIBAA, Tunisia
Mohand OUHROUCHE, Canada
Dumitro POPESCU, Romania
Lionel PREVOST, France
Joseba QUEVEDO, Spain
José RAGOT, France
Su Ruan, France
Mansour SOUISSI, Tunisia
Fernando TADEO, Spain
Jean Marc THIRIET, France
Ahmed TOUMI, Tunisia
Amer R. ZEREK, Libya

Call for Papers

The 12th international conference on Sciences and Techniques of Automatic control and computer engineering (STA'2011) will be held on December 18-20, 2011, in Sousse, Tunisia. Opening on the Mediterranean, Sousse profits from a privileged central position within the great area of the Tunisian Sahel.

The conference STA'2011 is organized by The UCA and UCPI research units (Sfax, Tunisia) with the participation of the LAII laboratory (Poitiers, France) and the LAAS-CNRS laboratory (Toulouse, France), and with the support of the ATTNA association (Tunisia).

The conference STA'2011 is intended as an international forum where an effective exchange of knowledge and experience amongst active researchers in various theoretical and applied areas of automatic control and computer engineering can take place. Participation of engineers and other scientists from industry is particularly welcome. This event will provide the opportunity for worldwide researchers and practitioners to share together the latest developments and new trends in systems and control. Both theoretical and applied papers are welcomed for submission to this event. Keynote speeches are to be conducted by well-known experts.

The conference STA'2011 will have different types of sessions: plenary lectures (given by leading experts in the field), regular oral sessions, invited sessions, ...

An exhibition will also be organized in which automation companies will showcase their latest advancements. Contact the registration and Finance Co-Chairs for details.

Topics

The conference STA'2011 publishes papers on theoretical analysis, experimental studies and applications in the field of automatic control and computer engineering. This conference is, therefore, not only a forum where researchers, scientists and engineers can exchange their knowledge and experience, but also serves as an educational channel for students and others who would like to discuss the latest research and developments, and to learn more about the new trends in this field of study. The Topics of interest include, but are not limited to:

- Analysis and automatic Control of Systems (ACS)
- Artificial Neural Networks (ANN)
- Adaptive Systems and Control (ASC)
- Biomedical Signal Processing and Control (BSP)
- Control of Agricultural Processes (CAP)
- Circuits, Electronics and Micro-electronics (CEM)
- Control and Embedded Systems (CES)
- Control of Electrical Vehicles (CEV)
- Control of Robotics Systems (CRS)
- Diagnosis and Electrical Machines (DEM)
- Diagnosis and Fault Tolerant Control (DFC)
- Description and System Identification (DSI)
- Fractional-order Systems and Controls (FSC)
- Industrial and Agricultural Applications (IAA)
- Imagery and Forms Recognition (IFR)
- Imagery, Robotics and Mecatronics (IRM)
- Mobile Robots and Navigation (MRN)
- Modelling and Simulation of Robotic Systems (MRS)
- Networks and Electrical Machines (NEM)
- Neuro Fuzzy Controllers (NFC)
- Power Electronics and Control (PEC)
- Robust and Adaptive Control (RAC)
- Renewable Energy Conversion (REC)
- Supervision and Intelligent Systems (SIS)
- Stochastic Systems and Control (SSC)
- TeleCommunications Engineering (TCE)

Paper submission

The manuscript submitted to the conference should contain sufficient details including key concepts and novel features of the work. It will include the title, authors, mailing addresses, affiliations, fax numbers and e-mail addresses. The format of the paper must be prepared according to the given author instructions. All papers must be written in English. The authors are invited to submit the full version of their manuscripts online through the conference STA'2011 web site at: http://www.sta-tn.com.

Invited Sessions: Proposals for Invited Sessions in related areas are also solicited and should be submitted through e-mail to the Invited Session Chairs. Authors that wish to organize an Invited Session should first contact the Invited Session Co-Chairs.

Tutorials: Proposals for Tutorials should contain the title of the session, the list of speakers, and extended summaries (2000 words) of their presentations. Proposals must be sent by e-mail to the corresponding Co-Chairs.

Workshops: Proposals for Workshops should contain the title of the session, the list of speakers, and extended summaries (2000 words) of their presentations. Proposals must be sent by e-mail to the corresponding Co-Chairs.

Publication in IJ-STA: Normal and Invited Sessions papers will be further screened for possible publication in the International Journal of Sciences and Techniques of Automatic control IJ-STA (http://www.sta-tn.com/IJ-STA.htm).

Important dates

Submission deadlines for contributed papers, invited sessions, tutorials and workshop proposals:	September **15**, 2011
Notification of acceptance / rejection:	October **25**, 2011
Submission of Final Manuscripts:	November **10**, 2011

Registration fees

* Academic from Tunisia: **400**DT
∗ Industrial: **500**DT

* Academic from the Maghreb Union: **300 €**
∗ Academic from other countries: **400 €**

STA'2011, ENIS, BP 1173, 3038 Sfax, Tunisia, **Phone: (+216) 74 274 088   Fax. : (+216) 74 275 595**
Emails: contact@sta-tn.com; maherkharrat@yahoo.fr; amintrabelsi@yahoo.fr;

STA'2011
December 18–19–20, 2011
Sousse, Tunisia
http://www.sta-tn.com