



**STA'2010**  
December 19–21, 2010  
Monastir, Tunisia  
<http://www.sta-tn.com>

## Call for Papers

# 11<sup>th</sup> International conference on Sciences and Techniques of Automatic control and computer engineering – STA'2010

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The 11<sup>th</sup> international conference on Sciences and Techniques of Automatic control and computer engineering (STA'2010) will be held on December 19-21, 2010, in Monastir, Tunisia. Opening on the Mediterranean, Monastir profits from a privileged central position within the great area of the Tunisian Sahel.

The conference STA'2010 is organized by The UCA and UCPI research units (Sfax, Tunisia) with the participation of the LAIL laboratory (Poitiers, France) and the LAAS-CNRS laboratory (Toulouse, France), and with the support of the ATTNA association (Tunisia).

The conference STA'2010 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'2010 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'2010 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:

Adaptive control	Estimation	Multivariable systems
Agricultural processes	Evolutionary computation	Networked systems
Artificial vision	Fault diagnosis systems	Neural networks
Automotive control	Fault-tolerant systems	Non-linear systems
Biomedical control systems	Fuzzy systems	Optimal control
Biotechnological processes	Hybrid systems	Power systems control
Chemical process control	Identification	Predictive control
Communication systems	Image processing	Process control
Control architectures	Industrial automation	Real-time control
Decentralized control	Industrial networking	Robotics
Digital and analog control	Intelligent control systems	Robust control
Discrete-event systems	Large-scale systems	Sensors and actuators
Distributed systems	Learning systems	Signal processing
Education and training	Manufacturing systems	Smart structures control
Electrical machines	Measurement engineering	Stochastic systems
Electrical networks	Mechatronics	Supervision systems
Embedded systems	Modeling and simulation	Transportation systems

### Paper submission

The manuscript to be submitted to the conference should contain sufficient details including key concepts and novel features of the work. It should 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'2010 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

September 15, 2010:	Submission deadlines for contributed paper, invited session, tutorials and workshop proposals.
October 25, 2010:	Notification of acceptance / rejection.
November 10, 2010:	Final, Ready papers.
December 19-21, 2010:	Conference STA'2010.

### Registration fees

Academic from the Maghreb Union: 280 € \* Academic from other countries: 380 €