Call for papers

The 20th International conference on Sciences and Techniques of Automatic control and computer engineering STA'2020

December 20-22, 2020 Monastir, Tunisia

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The 20th international conference on Sciences and Techniques of Automatic control and computer engineering (**STA'2020**) will be held on December 20-22, 2020, Monastir, Tunisia. Located at the vital center of Tunisia, Opening on the Mediterranean, Monastir profits from a privileged central position within the great area of the Tunisian Sahel.

The conference **STA'2020** is organized by the Laboratory Lab-STA (Sfax, Tunisia) with the participation of several Laboratories such as, LIAS (Poitiers, France), MIS (Amiens, France), LSIS (Marseille, France), LAAS (Toulouse, France), LETI (Sfax, Tunisia), CRIStAL (Lille, France), LISIER (ENSI-Tunis, Tunisia) and the University of Valladolid (Spain). The conference is financially supported by the ATTNA association (Tunisia) and technical Co-sponsorship IEEE Tunisia Section, IEEE CSS Tunisia Chapter, IEEE SSCS Tunisia Chapter, IEEE CAS Tunisia Chapter, IEEE PES Tunisia Chapter and IEEE CIS Tunisia Chapter.

STA'2020 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 trends in systems and control. Both theoretical and applied papers are welcome for submission to this event. Keynote speeches are to be conducted by experts.

The conference **STA'2020** will have different types of sessions: plenary lectures (given by leading experts in the field), regular oral sessions, invited sessions, etc.

All accepted and presented papers will be published in conference proceedings and will be "submitted to IEEE Xplore® — the IEEE Digital Library" as IEEE reserves the right to not publish any proceedings that do not meet IEEE's quality standards.

An exhibition will also be organized in which automation companies present their latest advancements. Contact the organization Co-Chairs for details.

Topics

The conference **STA'2020** 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:

- Advanced Control Systems
- Advances in Software Engineering
- Automation and Supervision Systems
- Robust and Adaptive Control
- Nonlinear Theory and Application
- Time-delay systems
- Artificial Intelligence System
- Modeling of Engineering Systems
- Control, Automation and Diagnosis
- Fault Tolerant Control Systems

- Backstepping and Sliding Mode Control
- Control of Fractional Systems
- Circuits, Electronics & Micro-electronics
- Modeling and Control of Robotic Systems
- Mechatronics and Robotics Systems
- Networks and Electrical Machines
- Signal and Image Processing
- Control and Embedded Systems

- Smart computing and control systems
- Control of Electrical Vehicles
- Energy management systems
- Renewable Energy and Smart Grids
- Power Electronics and Energy Conversion
- Power Systems and Smart Grids
- TeleCommunication Engineering
- Wireless Sensor Networks

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 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'2020** web site at: **www.sta-tn.com**.

Proposals for **Invited Sessions** & **Special 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.

Proposals for **Tutorials** & **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.

Special issues of selected papers will be published in **IJ-STA** (International Journal of Sciences and Techniques of Automatic control www.sta-tn.com/IJ-STA.htm), **JES** (Journal of Electrical Systems http://journal.esrgroups.org/jes/) and **IJAC** (International Journal of Automation and Computing http://www.ijac.net/EN/volumn/home.shtml)

Schedule & Deadlines for submission
Submission of Final Manuscripts: November 25th, 2020
Registration fees
* Academic from Tunisia: **350DT**
* Academic from other countries: **150 €**

STA'2020, ENIS, BP 1173, 3038 Sfax, Tunisia, **Phone: (+216) 74 274 088 Fax. : (+216) 74 275 595**
Contact : conference.sta@gmail.com; info@sta-tn.com