Call for papers

2027 IEEE 23rd International conference on Sciences and Techniques of Automatic control and computer engineering STA'2027

June 18-20, 2027 Sousse Tunisia

The 2027 IEEE 23rd International Conference on Sciences and Techniques of Automatic control and Computer Engineering (**STA'2027**) will be held June 18-20, 2027, 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'2027** is organized by the laboratory Lab-STA (Sfax, Tunisia) with participation of LETI (Sfax, Tunisia), LSEER (Sfax, Tunisia), LIAS (Poitiers, France), MIS (Amiens, France), LIS (Marseille, France), CRISTAL (Lille, France), L2EP (Lille, France), Leipzig University (Germany), Libyan Open University and Valladolid University of (Spain). LASEE (Monastir, Tunisia)

The conference is financially sponsored by the ATTNA Association (Tunisia) and IEEE Tunisia Section. The technical co-sponsorship is IEEE Tunisia Section, IEEE CSS Tunisia Chapter, IEEE SSCS Tunisia Chapter, IEEE CAS Tunisia Chapter, IEEE PES Tunisia Chapter, IEEE SPS Tunisia Chapter and IEEE CRFID. The conference STA is supported by Doctoral School Sciences and Technologies EDST-ENIS and Digital Research Center of Sfax (CRNS).

STA'2027 is intended as an international forum for the effective exchange of knowledge and experience among active researchers in various theoretical and applied areas of automatic control and computer engineering can take place. The participation of engineers and other scientists from industry is particularly welcome. This event will provide an opportunity for researchers and practitioners worldwide to share the latest developments and trends in systems and control. Both theoretical and applied papers are welcome for submission to this event. The conference **STA'2027** will have different types of sessions: plenary lectures (given by leading experts in the field), regular oral sessions, invited sessions, etc.

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

Honorary Chairs
Abdelwaheb AITOUCHE, France
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Dorsaf ELLEUCH, Tunisia
Mourad ELLOUMI, Tunisia
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Topics: The conference **STA'2027** 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:

Automatic control systems
Nonlinear Controls and Applications, Automation and Supervision Systems, Robotics and Automation, Advanced Control Systems, Modelling of Engineering Systems, Robust and Adaptive Control, Control, Automation and Diagnosis, Fault Tolerant Control Systems, Control of Fractional Systems, Fuzzy and neural systems

Electric power and renewable energy systems
Control of Electrical Vehicles, Renewable Energy and Smart Grids, Energy management systems, Electrical Power System, Energy Conversion Systems, Networks and Electrical Machines, Smart Cities of Applications, High voltage DC transmission

Computer Engineering
Artificial Intelligence based Control, Smart computing and control systems, Advances in Software Engineering, Machine Learning in Control Applications, IoT sensors & Machine Learning, Software Agents for Intelligent Control Systems, Monitoring and supervision, Digital Twins Technologies

Electronic and communication Engineering
Mechatronics and Instrumentation, Circuits, Electronics & Microelectronics, Digital signal processing, TeleCommunication Engineering, Wireless Sensor Networks, Adaptive and smart antennas, Image and video compression algorithms

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 instructions given to the authors. All papers must be in English. Authors are invited to submit the full version of their manuscripts online via the conference website **STA'2027** at: **www.sta-tn.com.**

Proposals for Invited **Sessions & Special Sessions** in related to theme conference STA2026 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 include the session title, list of speakers, and extended abstracts (2000 words) of their presentations. Proposals should be sent by email to the appropriate 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.html).

Schedule & Deadlines for submission
Regular paper, invited session, and workshop proposals: March 20, 2027
Notification of acceptance / rejection: May 6, 2027
Submission of Final Manuscripts: May 20, 2027

STA'2027, ENIS, BP 1173, 3038 Sfax, Tunisia, Phone: (+216) 74 274 088 Fax. : (+216) 74 275 595; Contact: conference.sta@gmail.com