

# Call for papers

## 2022 IEEE 21<sup>st</sup> International conference on Sciences and Techniques of Automatic control and computer engineering STA'2022

### December 19-21, 2022 Sousse Tunisia

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**Special & Invited Sessions Chairs**  
 Abderazek BEN ABDALLAH, Japan  
 Ahmed TOUMI, Tunisia  
 Amer R. ZEREK, Libya

**Workshop & Panel Chairs**  
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 Lotfi KAMMOUN, Tunisia  
 Lotfi KRICHEN, Tunisia

**Organization and Publication Chairs**  
 Maher KHARRAT, Tunisia  
**Co-Publication Chair**  
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The 2022 IEEE 21<sup>st</sup> international conference on Sciences and Techniques of Automatic control and computer engineering (STA'2022) will be held on December 19-21, 2022, Sousse, Tunisia. Opening on the Mediterranean, Sousse profits from a privileged central position within the great area of the Tunisian Sahel.

The conference STA'2022 is organized by the Laboratory Lab-STA (Sfax, Tunisia) with the participation of several Laboratories such as, LIAS (Poitiers, France), MIS (Amiens, France), LIS UMR CNRS 7020 (Marseille, France), LAAS (Toulouse, France), LETI (Sfax, Tunisia), LISIER (ENSI-Tunis, Tunisia), Libyan Open University 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, and IEEE SPS Tunisia Chapter.

STA'2022 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'2022 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'2022 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:

- Artificial Intelligence based Control
- Nonlinear Controls and Applications
- Control of Electrical Vehicles
- Smart computing and control systems
- Advances in Software Engineering
- Automation and Supervision Systems
- Renewable Energy and Smart Grids
- Machine Learning in Control Applications
- Energy management systems
- Electrical Power System
- Energy Conversion Systems
- Networks and Electrical Machines
- Robotics and Automation
- Mechatronics and Instrumentation
- Circuits, Electronics & Microelectronics
- Signal and Image Processing
- TeleCommunication Engineering
- Wireless Sensor Networks
- IoT Networks & Industry 4.0
- Advanced Control Systems
- Modelling of Engineering Systems
- Robust and Adaptive Control
- Control, Automation and Diagnosis
- Fault Tolerant Control Systems
- Control of Fractional Systems
- Smart Cities of Applications
- Software Agents for Intelligent Control 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, 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'2022 web site at: [www.sta-tn.com](http://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](http://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

Submission of Final Manuscripts: **November 25<sup>th</sup>, 2022**

#### Registration fees

- Academic from Tunisia: 750 DT IEEE Non-Member, 700 DT IEEE Member
- University public: 400 € IEEE Non-Member, 350 € IEEE Member
- Academic from the Maghreb union: 280 € IEEE Non-Member, 250 € IEEE Member
- Industrial from Tunisia: 800 DT IEEE Non-Member, 750 DT IEEE Member

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