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The 2024 IEEE 4th International Maghreb Meeting of the conference on Sciences and Techniques of Automatic control and computer engineering is an IEEE technically co-sponsored event devoted to exploring emerging challenges and new concepts related to all aspects of electrical and computer engineering. This event will be held during May19-21, 2024, in Tripoli city, Libya.

The MI-STA2024 is organized and sponsored by the University of Tripoli (Tripoli, Libya) and the University of Sfax (Sfax, Tunisia). It is technically co-sponsored by IEEE Libya Sub-Section, IEEE Tunisia Section, IEEE Region 8, Libya AP/COM Joint chapter, Libya CS/SP joint chapter and, Libya IE chapter.

MI-STA'2024 is intended to provide an international forum for those who wish to present their latest research results, innovative ideas, and experiences in the fields of Automatic Control Applications Mechatronics, Computer Engineering, Computer Technologies and Applications, Renewable Energy, Smart Grid, Signal Processing and Telecommunications. This conference will also provide an excellent opportunity to meet experts, exchange information, and strengthen collaboration among researchers, engineers, and scholars from both academia and industry while enjoying the cultural heritage and natural beauty of Tripoli city, coupled with the friendliness of its people. The MI-STA'2024 technical program will have different types of sessions: plenary lectures (given by leading experts in the field), regular and invited sessions, tutorial sessions, and special sessions along with workshops and exhibits.

Accepted and presented papers during the conference will be published in IEEE Xplore. Authors of the best papers presented at MI-STA'2024 conference will be invited to submit an extended version to publish in the conference related journals.

The format of the paper must be prepared according to the IEEE template (allotted 6 proceedings pages with the option to pay for up to 2 extra pages). All manuscripts should be written in English and be in 2-column format. The authors are invited to submit the full version of their manuscripts online through the conference website at: www.MISTA-CON.org

TRACKS OF INTEREST INCLUDE, BUT NOT LIMITED TO:

Track 1: Automatic Control Systems

- Linear / Nonlinear Control System
- Robust and Adaptive Control
- Optimal Control
- System Identification and Validation
- Mechatronics and Instrumentations
- Advanced Control Systems
- Mechanical Systems and Control
- Control and Embedded Systems
- Automatic Control Systems
- Control of Robotic Systems & UAV
- Fault Tolerant Control Systems
- Intelligent Control Systems
- Control of Manufacturing Systems

Track 2: Information Technologies

- Database and Data Mining
- Algorithms and Bioinformatics
- Cloud Computing
- Health Informatics
- Web and Internet Computing
- Information Systems

- Computer Graphics and Visualization
- Distributed and Parallel Computing
- Security and Information Assurance

Track 3: Artificial Intelligence & computer Engineering

- Artificial and Computational Intelligence
- Machine Learning
- Mobile Computing
- Industry 4.0, IoT, and digital twins
- Software Engineering
- Human Computer Interaction
- Sensing and Sensor Networks
- Computer Aided Design
- Computer Theory and Technology
- Computer Architecture
- Computer Based Manufacturing Technologies
- Systems Modeling and Simulation

Track 4: Electronics and Communication Engineering

- Tele-Communication Engineering
- Fiber-optic Communication
- Microwaves and antennas
- Circuits & Electronics
- Signal and Image Processing
- Next generation networks
- Wireless/ Mobile Communication
- System on Chip
- MEMS and Nanotechnologies
- Biomedical Engineering Systems
- Wireless Power Transmission

Track 5: Electric Power Systems

- Smart Grid
- Renewable Energy Technologies
- Control in Power Electronics
- Power Distribution System
- Power plant operation and control
- Networks and Electrical Machines
- Power Quality

Important Dates (Regular Submission):

Paper Submission Deadline: **January 10th, 2024**

Acceptance Notification: **March 30th, 2024**

Author Registration: **April 10th, 2024**

Final Paper Submission: **April 10th, 2024**

Conference Dates: **May 19 – 21, 2024**

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