



## Call for Papers

### Track 7 – Intelligent Robots and Systems

#### Track Chairs

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**FOCUS.** The aim of the track is to gather researchers and practitioners to report on recent achievements and on requirements in the development of real-world intelligent robots and systems, including robot prototypes, robot programming, robotics and artificial intelligence applications, sensor data processing in robotics and intelligent embedded systems, as well as on benchmarking and usability studies.

#### TOPICS

- ❖ Environment Description, Map Building and Localization, SLAM
- ❖ Navigation, Collision Avoidance and Path Planning
- ❖ Formal methods, control theory, and artificial intelligence for Robotics
- ❖ Perception for Robotics
- ❖ Advanced Sensors and Vision Systems for Robotics
- ❖ Active Perception and Sensing
- ❖ Multi-Agent Systems, Distributed and Decentralized Multi-Robot Architectures
- ❖ Cooperative and Collaborative Robotics
- ❖ Assistive Robotics
- ❖ Intelligent Embedded Systems and Integrated Intelligence
- ❖ Cognitive Robotics
- ❖ Robot Learning and Deep Learning in Robotics
- ❖ Robot Programming and Control Architecture Design
- ❖ Arms and Mobile Manipulators
- ❖ Simulation and Models for Robotics
- ❖ Training and Education in Robotics
- ❖ Human-Robot Interaction
- ❖ Condition monitoring and diagnosis in Robotics
- ❖ Autonomous Robots and Advanced Applications
- ❖ Bio-inspired Robotic Systems
- ❖ Sustainable Robotics and Applications

#### AIM

The ETFA 2024 conference brings together professionals from industry and academia to share cutting-edge concepts, recent developments, research results, and practical achievements in industrial and factory automation. The key goal is to foster the enhancement and application of scientific techniques, models, and tools that support the efficient design and operation of industrial and factory automation systems.

#### SOLICITED PAPERS

- ◆ Original Research (Regular) ◆ Surveys ◆ Industry practice ◆ Work-in-progress

The working language of the conference is English, For submission rules, please refer to the Author's Instruction on the conference website.

#### PAPER ACCEPTANCE

Accepted, registered, and presented papers will be copyrighted by IEEE and published in the conference proceedings. The proceedings will be available in the IEEE Xplore® Digital Library. The final manuscript must be accompanied by a registration form and a registration fee payment proof and it is mandatory that at least one author attends and presents the paper at the conference. Failure to adhere to these guidelines may result in paper exclusion from post-conference distribution via IEEE Xplore by the ETFA 2024 Organizing Committee. All conference attendees must pay the conference registration fee and cover their own personal expenses for travel and accommodations.

#### AUTHOR'S SCHEDULE 2024

##### ◆ Regular and special sessions papers

Submission deadline ..... **April 28<sup>th</sup>**  
Acceptance notification ..... **May 31<sup>st</sup>**  
Deadline for final manuscripts ..... **July 1<sup>st</sup>**

##### ◆ Work-in-progress/ Industry practice papers

Submission deadline ..... **May 26<sup>th</sup>**  
Acceptance notification ..... **June 17<sup>th</sup>**  
Deadline for final manuscripts ..... **July 1<sup>st</sup>**

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