

# Special Issue

## Agents and Robots for Reliable Engineered Autonomy

### Message from the Guest Editors

This Special Issue aims to bring together researchers from the autonomous agents, software engineering and the robotics communities. The Special Issue seeks original contributions that address but are not limited to the following topics:

- Agent-based modular architectures applicable to robots;
- Agent oriented software engineering to model high-level control in robotic development;
- Agent programming languages and tools for developing robotic or intelligent autonomous systems;
- Coordination, interaction and negotiation protocols for agents and robots;
- Distributed problem solving and automated planning in autonomous systems;
- Fault tolerance, health-management and long-term autonomy;
- Real world applications of autonomous agents and multiagent systems in robotics;
- Real-time multiagent systems;
- Reliable software engineering of autonomy;
- Runtime verification of autonomous agents and robotic systems;
- Task and resource allocation in multirobot systems;
- Verification and validation of autonomous systems;
- Testing and simulation tools and techniques for autonomous or robotic systems;
- Self-healing entities and systems.

### Guest Editors

Dr. Rafael C. Cardoso

Dr. Angelo Ferrando

Dr. Daniela Briola

Dr. Claudio Menghi

Mr. Tobias Ahlbrecht

### Deadline for manuscript submissions

closed (14 March 2021)



## Journal of Sensor and Actuator Networks

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Impact Factor 4.2  
CiteScore 9.4



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## About the Journal

### Message from the Editor-in-Chief

I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

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### Editor-in-Chief

Prof. Dr. Lei Shu

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.6 days after submission; acceptance to publication is undertaken in 5.3 days (median values for papers published in this journal in the first half of 2025).