Call for Papers
SS02 - Autonomous Vehicles in Industry 5.0

Organized and Chaired by

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FOCUS

This Special Session focuses on the ongoing digitalization in the industry, particularly in the realm of Industry 4.0, which encompasses advancements in Autonomous Vehicles. This transformative process enhances production and industrial automation, leading to more effective and flexible operations. However, digital solutions in manufacturing processes introduce new challenges and concerns that need to be addressed. Rather than replacing Industry 4.0, the Industry 5.0 paradigm builds upon it. The goal of this Special Session is to explore innovative approaches, and experiments for the utilization of Autonomous Vehicles in Industry 5.0, which embrace sustainability and human-centric perspective.

TOPICS

- ❖ Autonomous Vehicles in industrial mobility
- ❖ Map Building and Localization, SLAM
- ❖ Machine Learning for Mobile Robotics
- ❖ Digital Wellbeing induced by autonomous robotics
- ❖ Autonomous Vehicles for a more Sustainable Manufacturing

AIM

This Special Session aims at bringing together professionals from industry and academia to share cutting-edge concepts, recent developments, research results, and practical achievements for the utilization of Autonomous Vehicles in Industry 5.0.

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 IEEEXplore 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 28th**
Acceptance notification ………………………………… May 31st
Deadline for final manuscripts ………………………… July 1st

❖**Work-in-progress/ Industry practice papers**
Submission deadline ……………………………………… **May 26th**
Acceptance notification …………………………………. June 17th
Deadline for final manuscripts ………………………… July 1st