

# CALL FOR PAPERS

## Journal of Robotics and Mechatronics

Special Issue on “Vehicle and Mobile Robot Technology”  
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**Focus:** In recent years, mobility technologies have advanced rapidly with innovative developments, such as autonomous driving and electric vehicles becoming more integrated into society. The adoption of vehicle-to-vehicle and vehicle-to-infrastructure communication to support connected cars is accelerating. Additionally, the use of advanced driver assistance systems (ADAS) powered by artificial intelligence (AI) and machine learning is increasing. Mobility as a service is also gaining momentum, enhancing the integration of vehicle intelligence with infrastructure, and accelerating the realization of autonomous driving. Moreover, the introduction of smart infrastructure is key to achieving safe and efficient urban transportation. In this special issue, we invite a wide range of cutting-edge studies in these areas. We welcome papers on, but not limited to, the following topics: prediction and control technologies related to autonomous driving vehicles and mobile robots, connected car technologies, AI and machine learning applications in ADAS, sensor fusion technologies, smart infrastructure integration, automotive cybersecurity, and practical implementations of simulation and design using digital twin technology. Through these research contributions, we aim to advance mobility technologies and their influences in shaping the future of society.

**Editor:** Yuki MINAMI, Assoc. Prof., Osaka University, Japan

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### Important Dates:

**Submission deadline**

**March 20, 2025**

**(For submissions in Japanese**

**March 6, 2025)**

Notification of acceptance/rejection

July 20, 2025

Final manuscript submission

August 20, 2025

**Publication**

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### Submission to:

Fujipress Manuscript Manager: <https://mm.fujipress.jp/jrm>

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- ◆ Papers should be submitted in Microsoft Word or PDF format. Details on submission and the journal are available at the following link: <https://www.fujipress.jp/jrm/>
- ◆ Submissions can be either Japanese or English. Submissions in Japanese will be translated by Fuji Technology Press Ltd., at the authors' expense, and undergo full peer review.
- ◆ Papers submitted to this special issue will undergo our usual review process. Paper may be published in general issues based on review results.

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