

CALL FOR PAPERS

Journal of Robotics and Mechatronics

Special Issue on “Navigation and Control Technologies for Autonomous Mobility”

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Focus: Autonomous mobility, as exemplified by self-driving cars, autonomous mobile robots, drones, etc., is essential to the acceleration and practical application of transportation services and the automation of delivery, guidance, security, and inspection. Therefore, in recent years, expectations have been building for autonomous mobility to grow as a technology that not only improves the convenience and comfort of transportation and the efficiency of logistics but also leads to solutions to various social problems. Various technological elements are required to ensure the safety and quality of autonomous mobility for safe use. For example, technology is needed to create environmental maps and automatically determine obstacles, based on data acquired by cameras and sensors such as LiDAR. Technologies for planning appropriate routes and controlling robots safely and comfortably are also essential. In this special issue, we call for research papers on the “recognition,” “decision and planning,” and “control” of autonomous mobility in use. We welcome papers on, but not limited to, the following topics: mobile robots, self-driving cars, drones, personal mobility, SLAM, odometry, state estimation, path tracking control, obstacle avoidance, active cruise control, assist control, and attitude control.

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Important Dates:

Submission deadline

September 30, 2022

Notification of acceptance/rejection

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Final manuscript submission

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Index in: *ESCI*,
Scopus, *Compendex*

Submission/Contact to:

JRM Editorial Office, Fuji Technology Press, Japan: robot@fujipress.jp

- ◆ 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/rb/>
- ◆ Submissions can be either Japanese or English. Submissions in Japanese will be translated by the publisher and used after being proofread by the author.
- ◆ 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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