

# CALL FOR PAPERS

## Journal of Robotics and Mechatronics

### Special Issue on “Infrastructure Maintenance and Inspection Robotics”

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**Focus:** Japan has infrastructure facilities, including bridges, tunnels, roads, etc., intensively built during the period of rapid economic growth. These facilities are naturally aging rapidly now. As the percentage of facilities fifty years old or older is expected to increase at an accelerating pace over the next twenty years, it is necessary that those infrastructures aging simultaneously be strategically maintained and updated those infrastructures aging. At present, Japan has about 699,000 bridges and about 10,300 tunnels.

Under the existing conditions, however, almost all of the inspections of infrastructure facilities depend on a labor-intensive approach. If this continues, inspecting all the infrastructure facilities will take too long, resulting in the risk of the collapse of facilities before their inspection and maintenance are completed. In response to this, there is now a growing need for significantly more efficient infrastructure maintenance and inspection utilizing robotics and mechatronics technologies. A few projects have already been launched.

Focusing on systems that are under development or have recently been developed for infrastructure maintenance and inspection, this special issue is calling for papers on robotics and mechatronics that would contribute to such technologies. In addition to research papers, development reports are also welcomed.

**Editors:** Koichi OSUKA, Prof., Osaka University, Japan  
Shin'ichi YUTA, Prof., Shibaura Institute of Technology, Japan

#### Important Dates:

#### Submission deadline

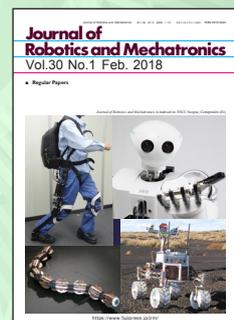
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Notification of acceptance/rejection	September 20, 2019
Final manuscript submission	October 20, 2019
Publication	December 20, 2019

#### **Submission/Contact to:**

JRM Editorial Office, Fuji Technology Press, Japan:

[robot@fujipress.jp](mailto:robot@fujipress.jp)



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

- ◆ 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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