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Journal of Robotics and Mechatronics

Special Issue on “Creative Robot Contest for Decommissioning”

Vol.34 No.3 (June 2022), Fuji Technology Press, Japan

Focus: This special issue aims to make available to a global audience the outcomes of the “Creative Robot Contest for Decommissioning.” These contests have been held for students of national technical colleges with the aim of developing human resources capable of engaging in the decommissioning of the nuclear reactors of the Fukushima Daiichi Nuclear Power Station. The contests, held at the Japan Atomic Energy Agency’s Naraha Center for Remote Control Technology Development in Narahamachi, Fukushima Prefecture, Japan since 2016, adopt as themes the various issues involved in decommissioning the nuclear reactors of Fukushima Daiichi Nuclear Power Station. Unlike in the case of conventional robot contests, the student contestants attend a special summer school to accurately comprehend the status quo of both the Fukushima Daiichi Nuclear Power Station and Fukushima Prefecture as a whole so that they may utilize the knowledge they acquire to develop their own robots for the decommissioning work. We hope that the students’ flexible thinking and high technological strengths prove to be very useful on the sites of the decommissioning work. Students of the Malaysia-Japan International Institute of Technology (in Malaysia) have also been participating since the third contest 2018. We would like to share, on a global basis, the mechanisms, control methods, innovations, and knowledge of the robots that individual technical college teams have developed in the past five “Creative Robot Contest for Decommissioning” in the service of the sites of nuclear reactor decommissioning work. It is in this context that we cordially invite contributions of articles to this special issue.

Guest Editors: Tomoharu DOI, Prof., Osaka Prefecture University College of Technology, Japan
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Important Dates:

Submission deadline

November 20, 2021

Notification of acceptance/rejection

March 20, 2022

Final manuscript submission

April 20, 2022

Publication

June 20, 2022

Submission/Contact to:

JRM Editorial Office, Fuji Technology Press, Japan: 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.

Publisher: FUJI TECHNOLOGY PRESS LTD.

URL: <https://www.fujipress.jp/jrm/>

