

Special Issue on Advanced Image Processing Techniques for Robotics and Automation

Guest Editors:

Prof. Dr. Atsushi Yamashita, The University of Tokyo, Japan

Dr. Makoto Kurumisawa, AGC Inc., Japan

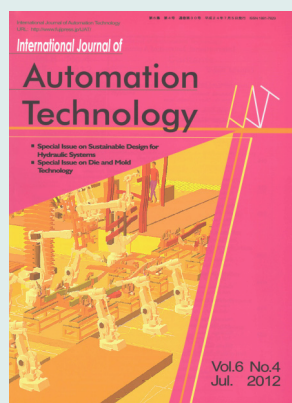
Prof. Dr. Akio Nakamura, Tokyo Denki University, Japan

The demand for sensing in robotics and automation is increasing with a decrease in labor force. Backed with recent developments in computational performance, image processing technology is widely used for various applications. This special issue aims to provide researchers the opportunity to access the latest research and practical case studies on advanced image processing, computer vision, and sensing techniques for robotics and automation. Topics of interest in this special issue include, but are not limited to, the following:

- Theory and algorithms: Image Processing, Computer Vision, Pattern Recognition, Object Detection, Image Understanding, Media Understanding, Machine Learning, Deep Learning, 3D Measurement, Simultaneous Localization and Mapping (SLAM), Multispectral Image Processing, Visualization, VR/AR/MR, Datasets for Image Processing
- Industrial applications: Factory Automation, Machine Vision, Visual Inspection, Monitoring, Surveying, Logistics
- Sensing techniques for robotics and automation: Robot Vision, Advanced Driver-Assistance Systems (ADAS), Autonomous Driving, Robotic Picking, Assembly, and Palletizing
- Image processing hardware and software: Image Acquisition Devices, Image Sensors, Image Processing Systems, Sensor Information Processing
- Man machine interface: Visualization, Human Interface Devices

***Speedy Review (1-2 months for the first review)**

***IJAT is indexed in ESCI; Scopus; Compendex (Ei-Index); DOAJ**



Pages and important deadlines:

Number of pages:

Average 8 printed pages (No limit)

Manuscripts should be in IJAT formats of Microsoft Word, TeX.

Submission Deadline:

November 30, 2024

Publication:

July 5, 2025 (Vol.19 No.4)

Submit your papers to: [online submission site]

<http://mc.manuscriptcentral.com/ijat>

For details on submission, go to: <https://www.fujipress.jp/ijat/au-authors/>

*Paper is to be evaluated by two reviewers, then submitted to the IJAT Editing Committee for final selection. Reviews take about three weeks from paper receipt until notification of first review results.

*The article processing charge (APC) is required for publication. For fees and prices, please see price list for publication charge and reprints. Please see details on: https://www.fujipress.jp/ijat/au-authors/#page_charge

*It is highly recommended referring to related IJAT papers in your making manuscript.

You can download full-texts of all IJAT publications for free (open access) in <https://www.fujipress.jp/ijat/au/>

For details on the journal, go to: <https://www.fujipress.jp/ijat/>

Publisher: Fuji Technology Press Ltd. Inquiry: auto@fujipress.jp

Ichigo Otemachi North Bldg. 2F (former Unizo Uchikanda 1-Chome Bldg.),

1-15-7 Uchikanda, Chiyoda-ku, Tokyo 101-0047, Japan

Phone: +81-3-5577-3851 / Fax: +81-3-5577-3861

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

