Call for Papers:

Special Issue on Advanced Image Processing Techniques for Robotics and Automation

Guest Editors:
Prof. Dr. Atsushi Yamashita, The University of Tokyo, Japan
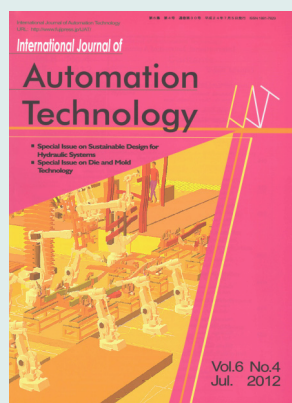**Dr. Makoto Kurumisawa, AGC Inc., Japan**
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The demand for sensing in robotics and automation is increasing with a decrease in labor force. Backed with recent developments in computational performance, image processing technology is widely used for 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)
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