

Call for Papers

Special Section on Machine Vision and its Applications

The IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Information and Systems announces a forthcoming Special Section on Machine Vision Applications to be published in **July 2012**.

The Twelfth IAPR Conference on Machine Vision Applications was held at Nara Centennial Hall, Japan, from June 13 through 15, 2011. The special section consists of the papers published in the MVA 2011 as well as new contributions with related topics. The submitted papers are expected to be related to Machine Vision and its Applications, that include the following topics:

- Algorithms
Feature Extraction, Surface Reconstruction, Range Data and 3D Analysis, Motion and/or Image Sequence Analysis, Color Image Analysis, Neural Networks, Pattern Recognition, and related technologies
- Architectures
Vision Chips, Vision Sensors with New Optical Systems, Architectures for 3D and/or Motion Processing, Image Processing Systems, Cooperative Distributed Systems, Software Environments for Image Processing and Analysis, and related technologies
- Applications
 - Factory Automation: Inspection, Diagnosis, Assembly
 - Intelligent Transport Systems: Traffic Monitoring, Traffic Control, Driving Safety Assistance, Electric Toll Collection
 - Robots: Home Robots, Mobile Robots, Service Robots, Space Robots
 - Security Systems: Surveillance, Alarm Systems, Biometrics and Personal Identification, Home Security and Monitoring Systems, Forensic Systems
 - Medical Systems: Medical Examination Assistance, Remote Medicine, Image-guided Surgery and Intervention, Analysis of 2D/3D Biomedical Images
 - Geographic Information Systems: Map Processing, 3D Reconstruction from Photographs or Maps
 - Multimedia: Image Retrieval, Document and Drawing Analysis, Digital Archiving, Multimedia Databases and Analysis
 - Action Analysis and Recognition: Gesture Recognition, Behavior Recognition
 - Human Computer Interaction: Face Recognition, Wearable Computing, Multi-modal Interface, Personal Imaging
 - Vision and Graphics: Augmented and Mixed Reality
 - Others: Applications to Civil and Construction Engineering, Agriculture, Forestry, Fishery, etc

Guideline for paper submission

Prospective authors are encouraged to submit a PDF and **electronic source files (TeX/Word files, figures, authors' photos and biography)** of an original, unpublished manuscript in to the following address by **November 7, 2011**.

IEICE online submission URL: https://review.ieice.org/regist_e.aspx

1. Authors should choose the “[Special-ED] Machine Vision and its Applications” as a “Type of Issue (Section)/Transactions” on the online screen. Do not choose “[Regular-ED] Information and Systems” or other special sections.
2. Send “Signed Copyright Transfer and Page Charge Agreement” and “Confirmation Sheet of Manuscript Registration” to the following contact person by postal mail, FAX or E-mail until **November 7, 2011**. We cannot start the review process without them, even if we receive the manuscript.

Manuscript should be prepared according to the guideline given in the “Information for Authors.”

http://www.ieice.org/eng/shiori/mokuji_iss.html. It is recommended that the lengths of a paper and a letter for this special section are within 8 and 2 printed pages, respectively. The manuscript must be augmented from the one published in the conference proceedings.

※ Please note that if accepted, all authors, including authors of invited papers, should pay for the page charges covering partial cost of publication. Authors will receive 50 copies of the reprint.

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Inquiry on this special section

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[Important Notice]

*At least one of the authors must be an IEICE member when the manuscript is submitted for review. We recommend that authors unaffiliated with IEICE apply for membership.

For membership applications, please visit the web-page, <http://www.ieice.org/eng/member/OM-appli.html>

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