

MVA2019

INTERNATIONAL CONFERENCE ON MACHINE VISION APPLICATIONS

CALL FOR PAPERS

May 27-31, 2019
Tokyo, Japan

General Chairs

Ryuzo OKADA (Toshiba)
Norimichi UKITA (Toyota Technological Institute)

Program Chairs

Atsuto MAKI (KTH Royal Institute of Technology)
Paolo FAVARO (University of Bern)

The Sixteenth International Conference on Machine Vision Applications will be held in Tokyo, Japan from May 27 through 31, 2019. The conference is sponsored by the MVA Organization, co-organized by IEICE PRMU and IPSJ SIG-CVIM, and endorsed by IAPR. The aim of this conference is to bring together researchers and practitioners from both academia and industry, and to stimulate the exchange of knowledge through intensive discussions on the cutting-edge research topics listed below.



Tokyo's skyscrapers and Mount Fuji

Main Topic: Machine Vision and its Applications

Sensing

Vision Sensors, Sensors for 3D / Motion, Shape from X, Optical Phenomenon Sensing, Color / Multiband, Invisible Wavelength Imaging, Registration / Alignment, Calibration

Algorithms

Feature Extraction, Shape / Motion / Deformation Analysis, Change and Background, Tracking, Color / Multiband Analysis, Segmentation, Pattern Recognition, Object Recognition, Statistical Image Processing, Large-Scale Data Analysis, Image Processing System Architecture, Deep Learning

Applications

· **Factory Automation and Robotics:** Visual Inspection, Diagnosis, Assembly, Mobile Robot, Digital Fabrication, Service Robot, Rescue Robot

- **Intelligent Transport Systems:** Traffic Monitoring, Autonomous Vehicles, Driving Safety Assistance
- **Surveillance:** Security Monitoring, Camera Network, Remote Sensing, Underwater
- **Human Computer Interaction:** Face / Gesture / Behavior / Gait, Gaze Analysis, Biometrics, Wearable Computing, First Person Vision
- **Biomedical:** Tomography, Endoscopy, Computer-Aided Diagnosis, Computer Assisted Surgery, Computational Anatomy, Bioinformatics, Nursing Care
- **Multimedia:** Database Archiving and Retrieval, Document, Culture and Heritage, VR / MR / AR, Entertainment
- **Life:** Sports, Agriculture / Forestry / Fishery, Civil / Construction Engineering, Commerce, Fashion, Home

REGISTRATION POLICY: At least one author of an accepted paper is required to register for the conference and must present the paper at the conference.

AWARDS: Presented papers will be considered for *Best Paper Award*, *Best Practical Paper Award*, and *Best Poster Award*.

PUBLICATION: Selected papers will be published in IPSJ Transactions on Computer Vision and Applications (Springer Open) in May 2019. After the conference, we plan to publish an MVA special section in an international journal. Authors of selected papers will be invited to submit their papers to this special section.

Important Dates

Full Paper (4 pages) Submission Deadline:

December 7, 2018

Notification of Acceptance:

February 22, 2019

Camera-Ready Manuscript Deadline:

March 22, 2019

For more details, please visit <http://www.mva-org.jp/mva2019/> or contact the MVA Organization mva2019-sec@mva-org.jp

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