

MVA2019

INTERNATIONAL CONFERENCE ON MACHINE VISION APPLICATIONS

CALL FOR PAPERS

May 27-31, 2019

National Olympics Memorial Youth Center, Tokyo, Japan

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 cutting-edge research topics.



Tokyo's skyscrapers and Mount Fuji

Main Topic: Machine Vision and its Applications

Sensing

Vision Sensors / Imaging
Shape from X
Calibration

Algorithms

Pattern Recognition, Deep Learning
Shape / Motion / Deformation Analysis
Large-Scale Data Analysis
Image Processing System Architecture

Applications

Factory Automation and Robotics
Intelligent Transport System and Autonomous Vehicles
Surveillance
Human Analysis and Human Computer Interaction
Biomedical
Multimedia and VR / MR / AR
Life (Sports, Agriculture / Forestry / Fishery,
Civil Engineering, Commerce, Fashion, Home, etc.)

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*, *Best Poster Award*, and *Most Influential Paper over the Decade 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* Submission Deadline:	December 7, 2018
Notification of Acceptance:	February 22, 2019
Camera-Ready Manuscript Deadline:	March 22, 2019
Main Conference:	May 28-30, 2019
Tutorial Course:	May 27, 2019
Technical Tour:	May 31, 2019

* Page limit is 4 pages, which can be extended to 6 pages, including all figures, references, appendices and so on.



Invited Talks

“Machine Vision and Learning for Autonomous Driving and Wearable Computing”



Prof. Amnon Shashua
(Sachs Professor of Computer Science at the Hebrew University, CEO of Mobileye, Senior VP at Intel Corporation)

“From SLAM to Spatial AI”
(tentative)



Prof. Andrew Davison
(Imperial College London)

“AI Embedded in the Real World”



Dr. Hideki Asoh
(Deputy Director of Artificial Intelligence Research Center at National Institute of Advanced Industrial Science and Technology)

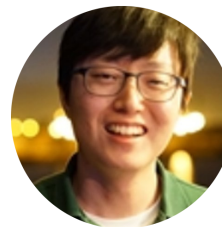
Tutorial Courses

“Scaling-up Deep Learning for Autonomous Driving”



Dr. Jose M. Alvarez
(NVIDIA Corporation)

“3D Computer Vision and Open3D”



Dr. Jaesik Park
(Intel Corporation)

Demonstration Session

This session will provide a good opportunity for you to show your innovative prototypes, get constructive feedback on your developed solutions or products, and communicate with participants directly. Exhibitors will also be invited to join the young researchers meeting.

You find the call for demos at <http://www.mva-org.jp/mva2019/submit/call-for-demos/>

MVA2019 welcomes corporate sponsorship. Sponsors will benefit from the strong presence by top logo placements on the web page with active links to the sponsor's home page.

Young Researchers Meeting

This meeting will provide young researchers (students, post-docs) and exhibitors of the demonstration session (corporate researchers and engineers) with an opportunity to present and discuss their works, and recruit employees or interns. This meeting is also intended to promote networking and friendship between young researchers through communication in a relaxed and informal atmosphere. Details on how to join this event can be found on the MVA2019 website.

MVA CONFERENCE COMMITTEE

General Chairs

Ryuzo Okada (Toshiba)
Norimichi Ukita (Toyota Technological Institute)

Program Chairs

Atsuto Maki (KTH Royal Institute of Technology)
Paolo Favaro (University of Bern)

Sponsored by the MVA Organization



Co-organized by
IEICE PRMU
and
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In Cooperation with:

The Institute of Electrical Engineers of Japan
The Institute of Image Information and Television Engineers
The Institute of Systems, Control and Information Engineers
The Institute of Image Electronics Engineers of Japan
The Japanese Society for Artificial Intelligence
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The Japan Society for Precision Engineering
The Robotics Society of Japan
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The Society of Instrument and Control Engineers
The Virtual Reality Society of Japan