

# 3DV 2014



**3DV 2014: Fourth Joint 3DIM/3DPVT Conference**  
**December 8 –11, 2014 @ The University of Tokyo, Tokyo, JAPAN**

## CALL FOR PAPERS

The interest in acquiring and creating 3D representations of the world is ever increasing. In 2011, 3DIM and 3DPVT joined forces to create a new yearly conference dedicated to 3D research, originally known as 3DIMPVT for 2011 and 2012. Since 2013, under the name 3DV (3D Vision), this event has provided a premier platform for disseminating research results covering a broad variety of topics in the area of 3D research in computer vision and graphics, from novel optical sensors, signal processing, geometric modeling, representation and transmission, to visualization and interaction, and a variety of applications.

Topics of interest include, but are not limited to:

### ACQUISITION & MODELING

- 3D cameras and sensors
- Real-time 3D systems
- Automated view planning
- 3D sensor calibration
- Image-based modeling
- Shape-from-X
- Shape and appearance modeling
- 4D capture

### INTERACTION & VISUALIZATION

- Image and video-based rendering
- Interactive modeling
- Augmented and mixed reality
- 3D printing and rapid prototyping
- Psychophysics of 3D sensing

### PROCESSING & TRANSMISSION

- Scene analysis
- Geometric signal processing
- Multi-resolution 3D representations
- 3D shape retrieval and recognition
- Shape analysis and morphology
- 3D compression and transmission

### APPLICATIONS

- Reverse engineering
- Dimensional inspection & metrology
- Cultural heritage & architecture
- Medical visualization and analysis
- Urban modeling
- Robotics
- 3D television
- 3D tele-immersion

An International Program Committee will review the papers. The conference will be held in Tokyo, Japan. Accepted papers will be presented in single-track oral and poster sessions. All accepted papers will be published to Conference Publishing Services (CPS) and submitted to IEEE Xplore and CSDL.

For more information: [www.3dv.org](http://www.3dv.org)  
[3dv2014contact@ml.sys.wakayama-u.ac.jp](mailto:3dv2014contact@ml.sys.wakayama-u.ac.jp)

### Organizing Committee

#### General Chair

Katsushi Ikeuchi  
*The University of Tokyo*

#### Program Chairs

Martial Hebert  
*Carnegie Mellon University*

Hiroshi Kawasaki  
*Kagoshima University*

Lourdes Agapito  
*University College London*

### Important Dates

Paper submission  
**July 9, 2014**

Paper notification  
**August 31, 2014**

Paper camera ready  
**September 19, 2014**