



Visual Perception and Robotic Systems

**A Special Track of the
10th International Symposium on Visual Computing (ISVC14)**

<http://www.isvc.net>

December 8-10, 2014

Las Vegas, Nevada, USA

Scope:

With the emergence of cheaper but more advanced visual sensors, it is possible to develop innovative visual perception capability for various robotic systems. The goal of this special session is to 1) present the state of the art of visual perception and its application in robotic systems and 2) explore the new frontiers in the area of visual computing for robotics. The special session welcomes papers that explore new ways of using visual sensors to solve problems in robotics.

Topics:

The topics of interest include but are not limited to the following areas:

- 2D/3D perception
- 3D environmental modeling
- Camera calibration
- Innovative ways of visual perception in robotic systems
- Mobile sensor networks
- Sensor fusion in visual perception
- Vision sensor networks
- Visual localization and navigation systems
- Visual inspection systems and applications
- Visual surveillance
- Visually handicapped assisting technology
- Wearable technology
- UAV borne spatial sensing

Paper Submission Procedure:

Papers submitted to ISVC 2014 Special Track must not have been previously published and must not be currently under consideration for publication elsewhere. Manuscripts should be submitted in camera ready format and should not exceed **12 pages**, including figures and tables (see <http://www.isvc.net> for details). All papers accepted will appear in the symposium proceedings which will be published by **Springer-Verlag** in the **Lecture Notes in Computer Science (LNCS)** series.



Important Dates:

Paper submissions August 23, 2014
Notification of acceptance October 7, 2014
Final camera ready paper October 31, 2014
Advance Registration October 31, 2014
ISVC14 Symposium December 8-10, 2014

Organizers:

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