Visual Perception and Robotic Systems

A Special Track of the
12th International Symposium on Visual Computing (ISVC16)
http://www.isvc.net
December 12-14, 2016
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
- Vision sensor networks
- Mobile sensor networks
- Visual localization and navigation systems
- Visual inspection systems and applications
- Visual surveillance
- Sensor fusion in visual perception
- Innovative ways of visual perception in robotic systems
- Human-robot interaction

Paper Submission Procedure:

Papers submitted to ISVC 2016 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 20, 2016 (at 11:59 PM PST)
Notification of acceptance September 25, 2016
Final camera ready paper October 21, 2016
Advance Registration October 21, 2016
ISVC16 Symposium December 12-14, 2016

Organizers:

Prof. Hung M. La, University of Nevada, Reno, USA, hla@unr.edu

Prof. Weihua Sheng, Oklahoma State University, USA, weihua.sheng@okstate.edu

Prof. Guoliang Fan, Oklahoma State University, USA, guoliang.fan@okstate.edu

Prof. Yoshinori Kuno, Saitama University, Japan, kuno@cv.ics.saitama-u.ac.jp

Prof. Quang Ha, University of Technology Sydney, Australia, Quang.Ha@uts.edu.au

Prof. Hao Zhang,Colorado School of Mines, USA, hzhang@mines.edu

Prof. Joachim Horn, Helmut-Schmidt-University, Hamburg, Germany, Joachim.Horn@hsu-hh.de