Call for Papers

The International Journal of Robotics Research

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Special Issue:

“Robot Vision”

Guest Editors:
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Recent advances in computer vision have the potential to drastically increase the capabilities of robots. Vision can augment or replace traditional robot sensors as well as enabling completely new robot proficiencies.

Following on from the phenomenal success of the previous Special Issues on Vision & Robotics (2007, 2010, 2012 and 2015) IJRR announces a new Special Issue on Robot Vision. Original submissions are sought to present advances in vision theory, systems, and methods applied to robotics including:

(Deep) Learning for robot vision
Vision-based control and visual servoing
Visual navigation and SLAM
Visual manipulation, including object recognition and pose estimation
Integration or fusion of vision with other sensing modalities
Semantic, robust, and 3D vision techniques
Human robot interaction
Novel visual sensors (RGB-D, event-based, HDR, wide field of view, light-field, etc.)
Robot vision applications (space robotics, underwater robotics, manufacturing, manipulation, driving etc.)

We encourage experimental results, comparison of results with existing datasets, the sharing of new datasets, and multimedia content (MM) such as data, code or videos. Please note that IJRR has no page limit on papers and is a leader in archival publishing of data sets, code and videos with papers. For full guidelines see:

https://us.sagepub.com/en-us/nam/journal/international-journal-robotics-research#submission-guidelines

For guidelines on multimedia and data papers see Sections 4.5 and 4.6 respectively at the above URL.
During the submission the authors must indicate that the paper is intended for this special issue; this option will be offered by the system at the first Step in the choice of document Type.

Submission deadline: 1 April 2018
Publication: Fall/Winter 2018

To submit go to: http://mc.manuscriptcentral.com/ijrr

Under ‘Manuscript Type’ please choose: ‘Robot Vision’.

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Submission guidelines
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