

Special Issue

Robot-Vision-Based Control Systems

Message from the Guest Editors

Robot vision is the prime channel to perceive the surrounding environment and identify the work object for the robot. Guided by visual perception technology, it realizes the perception and fusion of information from one-dimensional, two-dimensional to multi-dimensional, achieving fast and accurate environmental perception and object recognition. Topics for this Special Issue include, but are not limited to, the following: (1) Innovative robot vision sensors; (2) Intelligent vision detection; (3) Augmented, virtual and mixed reality (AR/VR/MR); (4) Simultaneous localization and mapping (SLAM); (5) Vision-based human–robot interactions; (6) Visual servo control.

Guest Editors

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Prof. Dr. Xiaohua Xia

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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