Special Issue

Sensing for Robotics and Automation

Message from the Guest Editors

Robots use a large number of sensors to achieve good operation and control in automation production processes. With the drive toward “Industry 4.0”, the use of robotics and automation has become commonplace as they allow increased efficiency and precision. Therefore, the development of new sensors and measurement systems for robotics and automation requires new solutions that enable accurate, safe, and cost-effective operation. This Special Issue seeks to showcase reviews or rigorous original papers focused on remote sensing via UAVs (unmanned aerial vehicles); tactile sensing and sound sensors for robots; state of the art in automated tactile sensing; target tracking, including multiple targets with multiple sensors; visual sensing in robotics and automation; applications of robot sensing; multi-sensing automated systems; all new solutions of sensing systems for robotics and automation control of robotics. Potential topics include, but are not limited to, the following:

- Robotics
- Measurement system
- Mobile robotics
- Sensors
- UAV
- Inertial navigation systems
- Tracking control
- Automatic control

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About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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