

Special Issue

Smart Machinery and Control System for Precision Agriculture

Message from the Guest Editor

Precision agriculture is a strategy that gathers and analyzes data and combines it with other information to support decisions for improved resource-use efficiency in agricultural production. The aim of this Special Issue is to reflect on the latest applications in sensor technologies, covering a diverse range of sensing mechanisms and applications. New and emerging applications for mechanisms and robot analyses are encouraged. Particularly, the application of mobile robots and manipulators in farming and crop production are welcomed. Both reviews and original research articles are welcomed. Reviews should provide an up-to-date and critical overview of state-of-the-art technologies in the research fields applied to precision agriculture. Topics for this Special Issue include, but are not limited to:

- Engineering technology, focusing on sensor systems, computational techniques, positioning systems, and control systems for agriculture applications;
- Adoption and economics of precision agriculture management;
- Physical, mechanical, and electromagnetic sensor applications;
- Multiplexing and sensor networking applications.

Guest Editor

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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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