Special Issue

Towards Artificially Intelligent Robotics for Agriculture – Current Developments and New Trends

Message from the Guest Editor

Dear colleagues, Feeding the growing world population with limited natural resources is an exceptional challenge to humanity. The mechanization and robotization assisted in optimizing crop management and reducing chemicals and, currently, Artificial Intelligence (AI) is helping farmers to improve process efficiency and diminish negative environmental impacts. The undeniable next stage will be the integration of AI and robotics. To compile the current status and new trends on artificially intelligent robotics for agriculture, this Special Issue of *Agronomy* welcomes papers related, but not limited, to:

- Autonomous ground vehicles;
- Autonomous aerial vehicles;
- Automatic and intelligent implements;
- Manipulation: harvesting, soft manipulation, dual-arm manipulators;
- Artificial perception;
- IoT, cloud computing, and big data;
- Artificial intelligence.

Specific applications of these topics will also be a valuable contribution to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (1 March 2021)

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Message from the Editor-in-Chief

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