Special Issue

Ground and Aerial Robots in Smart Agriculture

Message from the Guest Editors

Current agricultural practices use highly automated machinery and precision agriculture techniques to match the increasing demand for food and agricultural products. In addition to meeting this increased agricultural product demand, smart agricultural methods are required to maintain profitability while reducing negative impacts on the environment. Ground and aerial robots are important precision agriculture technology tools that provide the opportunity to increase agricultural productivity and manage resources intelligently to support holistic and sustainable agricultural practices. Many advancements have been made over the decades in the field of robotics, autonomy, and sensing. This Special Issue explores both fundamental and applied research on the topic of ground and aerial robots used in crop, animal, and natural resource management systems.

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