



Special Issue

Vision-Based Sensors in Field Robotics

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Message from the Guest Editors

Dear Colleagues,

Vision-based sensing is widely used in many robotic and automation applications, including localization, mapping, object recognition, guidance or obstacle avoidance, among others. Nowadays, mobile robots are continuously being adapted to carry out a wider range of applications in progressively more demanding environments. Quite often, vision plays an essential role to make these challenging tasks possible, although it can be fused or reinforced with other sensing modalities.

This Special Issue is aimed at bringing together novel solutions related to sensing and acting in field robotics applications. We focus our interest in manuscripts thoroughly describing new vision-based systems to be used in highly unstructured and dynamic environments as well as innovative and efficient methods to process the data gathered in these scenarios. Both original research articles and reviews are welcome.

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