



Applications of Computer Vision in Automation and Robotics

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Message from the Guest Editor

Dear Colleagues,

This Special Issue on “Applications of Computer Vision in Automation and Robotics” will bring together the research communities interested in computer and machine vision from various departments and universities, focusing on both automation and robotics as well as computer science.

Topics of interest for this Special Issue include but are not limited to the following:

- Video simultaneous localization and mapping (VSLAM) solutions
- Image-based navigation of unmanned aerial vehicles (UAVs) and other mobile robots
- Texture analysis and shape recognition
- Novel image descriptors useful for image-based classification of objects
- Feature extraction and image registration
- Binarization algorithms and binary image analysis
- Fast algorithms useful for embedded solutions, e.g. based on the Monte Carlo method
- No-reference image quality assessment
- Natural image analysis
- Applications of computer vision in autonomous vehicles.



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Dr. Hab. Krzysztof Okarma
Guest Editor

Special Issue



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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