

## Special Issue

# Recent Applications of Computer Vision for Automation and Robotics

### Message from the Guest Editors

This Special Issue aims to discuss and solve the current key issues and problems related to recent applications of computer vision for automation and robotics. We only accept submissions for articles related to applications of computer vision for automation and robotics. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not be 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;
- No-reference image quality assessment;
- Natural image analysis;
- Applications of computer vision in autonomous vehicles;
- Image and video scene understanding;
- Image and video reconstruction;
- Intelligent transport and logistics;
- Biomedical engineering;
- The safety of the human-machine interactions.

We look forward to receiving your contributions.

### Guest Editors

Prof. Dr. Xiaohui Zhu



## Applied Sciences

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## About the Journal

### 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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### Editor-in-Chief

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