



## Recent Applications of Computer Vision for Automation and Robotics

Guest Editors:

**Prof. Dr. Xiaobin Zhu**

School of Computer and  
Communication Engineering,  
University of Science and  
Technology Beijing, Beijing  
100083, China

**Dr. Jianqing Zhu**

College of Engineering, Huaqiao  
University, Quanzhou 362021,  
China

Deadline for manuscript  
submissions:

**closed (20 October 2022)**

### 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;





*applied*

- Intelligent transport and logistics;
- Biomedical engineering;
- The safety of the human-machine interactions.



We look forward to receiving your contributions.

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**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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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*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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