

## Special Issue

# Object Recognition, Robotic Grasping and Manipulation

### Message from the Guest Editors

Human control systems are trained to complete a given task using excellent sensors, unique artificial intelligence, and human body hardware, so it seems easy to recognize and pick up objects in everyday life. But for a robot, even simple tasks are not easy. This is mainly due to recognition errors, lack of decision-making experience, and the low adaptability of robotic devices. Therefore, this Special Issue covers topics that deal with the recognition, grasping, and manipulation of objects in the complex environments of everyday life and industry. The subtopics are as follows:

- Object recognition by deep learning or reinforcement learning
- Intelligent gripper and hand design
- Object grasping algorithm
- Singulation algorithm of objects in complex environments
- Motion planning algorithm to handle or assemble multiple objects

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2020)



## 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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