

## Special Issue

# Enhanced Perception in Robotics Control and Manipulation

### Message from the Guest Editors

The Special Issue in “Enhanced Perception in Robotics Control and Manipulation” encourages novel and original papers presenting high-quality research specifically focusing on perception technologies for robotic systems. A special emphasis will be on novel representations and approaches for robotics manipulation and grasping with focus on “adversarial” objects, e.g., characterized by transparent, reflective, and feature-less surfaces. Despite learning-based solutions currently playing a key and disruptive role in perception technologies, less data-hungry approaches are encouraged and will also be considered within the scope of this SI. Indeed, topics are invited from a wide range of disciplines and perspectives, including but are not restricted to the following:

- Advances in object detection;
- Advances in semantic segmentation;
- Object representation;
- Deep learning solutions to machine vision;
- Scene understanding;
- Learning embeddings;
- Machine vision to robot grasping and manipulation

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2024)



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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