



Visual Servoing-Based Robotic Manipulation

Guest Editor:

Dr. Naresh Marturi

Extreme Robotics Laboratory
(ERL), University of Birmingham,
Birmingham, UK

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Message from the Guest Editor

Dear Colleagues,

Visual servoing is an important area of research in robotics, driven by advancements in computer vision, machine learning and sensor technologies. As robots become increasingly autonomous and capable of executing complex tasks, the ability to accurately perceive and interact with their environment becomes indispensable. Visual servoing provides a powerful framework for achieving precise control and manipulation in dynamic and uncertain environments. Robots equipped with visual servoing capabilities excel in tasks such as pick-and-place operations, assembly and manipulation, and are applied across various domains, including industrial automation, healthcare and service robotics. Despite the development of general-purpose visual servoing methods, the specific requirements of different applications often necessitate specialized approaches. These requirements are influenced by variations in tasks, environmental conditions and the unique challenges inherent in each application domain.





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Prof. Dr. Marco Ceccarelli

LARM2: Laboratory of Robot
Mechatronics, Department of
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Message from the Editor-in-Chief

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It is great fun to create intelligent robots and imagine their practical applications. *Robotics* is now ready to serve you in the long journey towards such a goal.

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Robotics Editorial Office
MDPI, Grosspeteranlage 5
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