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# Robot Teleoperation Integrating with Augmented Reality

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Deadline for manuscript submissions:
**31 July 2025**

## Message from the Guest Editors

Dear Colleagues,

As robotics technology continues to evolve, the integration of augmented reality (AR) with robot teleoperation is emerging as a transformative approach, enhancing how humans interact with and control robots across various domains. Robots are now being employed in more complex scenarios. The inclusion of AR into teleoperation opens up new avenues for increasing the accuracy, safety, and efficiency of these robotic applications.

This Special Issue aims to showcase research that pushes the boundaries of AR integration with teleoperated robotic systems, addressing technical challenges, innovations in user experience, and advances in system integration.

We invite authors to submit research that explores innovative methods, approaches, designs, concepts, and software tools tailored to enhancing robot teleoperation through the use of augmented reality. Topics of interest include, but are not limited to, AR interface design, sensory feedback enhancement, the adaptation of control systems for AR, and empirical studies assessing the impact of AR on teleoperation efficacy.

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## Message from the Editor-in-Chief

It is my great pleasure to welcome you to our open access journal, *Robotics*, which is dedicated to both the foundations of artificial intelligence, bio-mechanics and mechatronics, and the real-world applications of robotic perception, cognition and actions. The 21st century is the robotics century and intelligent robots will change our lifestyle forever. Let us work together toward the realization of intelligent robots step by step.

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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