



Robotics and AI

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Message from the Guest Editors

Dear Colleagues,

Artificial intelligence technologies have undergone dramatic development in cyberspace, leading to the creation of new services and the resolution of various social challenges. However, much work remains in order to embody artificial intelligence in physical space. Robots have a mechanical system as their body, and robotics is the domain of science and technology that handles interactions between the body and the physical world. In robotics, domain-specific knowledge that includes sensing/perception, computation of kinematic/dynamic-based actions, and control theory is accumulated. Robotics is expected to be combined with artificial intelligence, building a bridge between cyberspace and physical space and revolutionizing society. This Special Issue solicits papers that present methodologies for integrating artificial intelligence with robotics and that create new research directions with the potential for tremendous academic and social impacts.

Prof. Dr. Wataru Takano
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Guest Editors





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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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