

Special Issue

Symmetry/Asymmetry and Autonomous Robotics

Message from the Guest Editors

The aim of this Special Issue is to provide a comprehensive platform for researchers and practitioners to showcase the latest advancements and novel ideas in the field of mobile robot navigation and control. In robotics, symmetry supports efficient design, locomotion, manipulation, and perception by leveraging balanced configurations and predictable dynamics. It endeavors to bridge the gap between theoretical research and real-world applications, fostering innovation and progress in this dynamic area. By highlighting emerging trends, the special issue aims to inspire further exploration and development, ultimately enhancing the capabilities and performance of mobile robots across various domains. The scope of this Special Issue encompasses a wide range of topics related to navigation and control of mobile robots.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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