

Special Issue

Scheduling, Planning, Decision and Games in Intelligent Dynamic Robotics

Message from the Guest Editors

In the past several decades, robotic systems in multiple domains, including ground, airborne, spaceborne, submarine, and other special industrial robots, are taking on increasing requirements related to the intelligence of performing various tasks, so that the relevant control theory and techniques of the dynamic robotics show a clear trend to combine with operations research and intelligent computation, generating decision-based planning and scheduling solutions for robotic tasks in complex environments. This Special Issue is devoted to recent advances in intelligent decision and control related to the analysis and use of symmetries in multidisciplinary areas of dynamic robotics. The Special Issue aims at providing a way for people studying in mathematics, computer science, information science, system engineering, or other fields to disseminate their findings about symmetries. Papers on the topics of interest, including but not limited to the listed keywords, are solicited.

Guest Editors

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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.

Editor-in-Chief

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