Special Issue

Symmetry in Fuzzy Systems and Control: A Path to Innovative Solutions

Message from the Guest Editors

Modern systems are increasingly complex and dynamic, posing challenges in maintaining stability, robustness, and efficiency. Symmetry plays a crucial role in addressing these challenges, particularly in fuzzy systems and control methods, by identifying patterns, reducing computational complexity, and enhancing system optimization. Furthermore, symmetric properties in time-delay and descriptor systems can lead to more efficient control strategies and improved stability. This Special Issue focuses on bridging theory and practical applications, showcasing innovative research that leverages symmetry to optimize computational efficiency and develop robust frameworks for managing complex dynamic systems. By fostering interdisciplinary work, it aims to advance the use of symmetry in algorithm design, artificial intelligence, and industrial applications. The aim of this Special Issue is to advance the understanding and application of fuzzy systems and control methodologies in addressing challenges within complex and dynamic systems. By exploring theoretical advancements, practical implementations, and innovative approaches, this Issue seeks to enhance system robustness...

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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.

Editor-in-Chief

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