

## Special Issue

# Symmetry and Asymmetry in Engineering Decisions: Data-Driven and Expert-Based Approaches to Multi-Attribute Decision-Making

### Message from the Guest Editors

In modern industry and engineering practice, decision-making **is** often conceptualized as the selection of an option among multiple alternatives or possible solutions, which are evaluated according to various attributes or criteria. For this purpose, Multi-Attribute Decision-Making (MADM) methods are most commonly employed. The focus of this Special Issue **is** to highlight the importance of research on symmetry and asymmetry in the application of MADM methods to engineering decision-making problems. We invite contributions to this Special Issue that cover, but are not limited to, the following topics:

- Combining data-driven (objective) and expert-based/fuzzy (subjective) data in the application of MADM approaches in engineering;
- Application and comparison of compensatory and non-compensatory (as well as balanced) approaches in solving specific problems;
- Application of combined and hybrid fuzzy MADM approaches.

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### Guest Editors

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## Symmetry

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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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### Editor-in-Chief

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