Special Issue

Advances and Applications of Uncertainty Theory in Reliability and Systems Engineering

Message from the Guest Editors

Reliability and system engineering, as important approaches used to fight against product failure and risk, have been challenged by various problems, especially the epistemic uncertainty of information and data caused by the increase in complexity. This planned Special Issue in Symmetry aims to provide a platform for researchers and industrial engineers to exchange the latest research results on the application of uncertainty theory in reliability and system engineering. Topics of interest for submission include, but are not limited to, the following:

- Uncertainty quantification in reliability and systems engineering;
- Reliability optimization with uncertainty;
- Reliability evaluation method with limited information;
- Reliability and resilience for complex systems with uncertainty;
- Prognostics and health management using uncertainty theory;
- Uncertain decision making in reliability and systems engineering.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2024)

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.

Editor-in-Chief

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