

Special Issue

Symmetry in Reliability Modeling and Analysis

Message from the Guest Editors

Nowadays, products are increasingly complex and intelligent, bringing higher requirements on function and performance as well as low fault tolerance. Degradation and failures throughout the entire lifecycle severely disrupt normal operation. Thus, reliability becomes a critical concern across engineering fields. Reliability modeling, analysis and evaluation can provide scientific references to support rational decision-making for engineers. Highly reliable products ensure long-term stable and fault-free service and have been widely applied in aviation, energy, intelligent manufacturing, rail transit and other industries. The objective of this Special Issue is to create a collection of the latest innovative ideas, cutting-edge research results and applications for the reliability modeling and analysis. Applications in practical industrial settings will also be included.

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

Prof. Dr. Sergei Odintsov

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