## **Special Issue**

### Reliability and Risk Analysis of Structures and Applications to Design and Optimization, 2nd Edition

### Message from the Guest Editors

This Special Issue will highlight the latest research developments in reliability-based design, engineering, and optimization, all geared toward enhancing the safety and reliability of structures.

The scope and topics of this issue include, but are not limited to structural system reliability; methods of reliability and risk assessment of a structure or structural system; reliability modeling and prediction; time-invariant and time-variant reliability and risk analysis; random vibration; machine learning, sensitivity analysis; algorithmic developments in reliability/robust based design optimization; novel applications of structural reliability methods and risk analysis in diverse areas such as structural mechanics, construction material, and design; data-driven uncertainty quantification and risk analysis.

We welcome original research papers, and review articles with new insights and perspectives on pioneering developments and their applications, including industrial case studies.

### **Guest Editors**

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### Deadline for manuscript submissions

30 November 2025



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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

### Editor-in-Chief

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