

Special Issue

Mechanical Engineering Reliability Optimization Design

Message from the Guest Editors

We are inviting submissions to the Special Issue titled “Mechanical Engineering Reliability Optimization Design”. This Special Issue aims to advance the structural reliability and robustness of critical mechanical systems through sophisticated optimization methodologies, including probabilistic design, life-cycle cost analysis, fault detection, and AI-based reliability optimization assessments. We are particularly interested in research focused on the reliability optimization of aerospace engines, aircraft structures, automotive design, and other high-stakes mechanical systems. We encourage contributions that present theoretical advancements, detailed experimental investigations, and practical applications in the field of structural reliability optimization.

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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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