Reliability Analysis and Stochastic Models in Reliability Engineering, 2nd Edition

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Message from the Guest Editors

Dear Colleagues,

Following the success of the first edition, this Special Issue continues to explore advancements in reliability analysis, focusing on both theoretical developments and practical applications. As reliability remains a critical factor across various industries—from consumer products and healthcare to manufacturing, software engineering, and environmental systems—this Special Issue seeks to showcase cutting-edge research that addresses the optimization of system reliability. Ensuring the consistent performance of systems under specified conditions is essential, as unexpected failures can lead to severe consequences, including safety hazards and operational disruptions.

We encourage submissions that provide new insights into reliability theory, as well as practical applications aimed at improving system dependability across a wide range of fields.

Special Issue

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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