Special Issue

New Trends in Lifecycle Reliability Engineering

Message from the Guest Editors

For real-life dynamic and/or vibratory systems, the time-varying and highly nonlinear performance is greatly affected by time-varying loads, operating conditions, and stresses, among others. This brings new challenges in reliability analysis and design for time-varying systems, including the construction of time-varying limit state functions based on physics of failure, time-varying uncertainty quantification, correlation analysis of time-varying uncertainties, and time-varying design optimization algorithms under uncertainty. This special issue aims to invite authors to submit full-length papers with original theoretical, numerical or experimental research contributions and innovative concepts that address all aspects of reliability analysis and design for time-varying systems. Also, applications in areas such as robotic systems, machine tools, battery systems, and transportation systems are welcome. Open for Submissions:
https://www.mdpi.com/journal/applsci/special_issues/life_ cycle_reliability_engineering

Guest Editors

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Deadline for manuscript submissions

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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.

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