New Trends in Decision Analysis and Reliability Management

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Message from the Guest Editors

Dear Colleagues,

Reliability management addresses the estimation, prevention, and management of high levels of "lifetime" engineering uncertainty and risks of failure, which has been widely used in various industries to identify and eliminate potential risks. Several different reliability management instruments have been designed, such as failure mode and effect analysis (FMEA) and fault tree analysis (FTA), etc. Moreover, it is difficult for reliability management experts to express their risk assessments in an accurate way. The fusion of imprecise risk assessments associated with multiple experts is a basic issue of reliability management. Group decision making is focused on the fusing of individual assessments, which has achieved some new progress in recent years. Therefore, integrating the new progresses of group decision making into reliability management is a promising research paradigm.

This Special Issue aims to invite prospective authors to contribute high-quality research papers on the latest developments and applications of reliability management, decision analysis, or hybrid models in the broad fields.

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Special Issue

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Message from the Editor-in-Chief

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