Call for Papers for Special Issue on: Cutting edge researches on reliability evaluation and risk management

Guest Editor
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The purpose of the Special Issue on cutting edge researches on reliability evaluation and risk management aims to attract submissions on the hot topics or state-of-art techniques in the field of reliability and risk analysis. Traditionally, many model based techniques are proposed to predict the failure time of engineering systems, optimize the system structure, optimize the maintenance strategies, etc. Basically, these models are becoming more and more complicated in order to take into account more practical factors, such as more complicated system structure, multiple failure modes, common cause failures, cascading failures, phased mission requirements, performance sharing mechanism, self-healing effects, etc. In addition, with the advancement of technology, more and more data-driven techniques are proposed. Besides the reliability evaluation of engineering systems, some works focused on the use of reliability techniques to analyze the risk in non-typical engineering problems, such as the risk of diseases transmission, the risk of investment, etc. This issue will surely help readers gain a quick view of the cutting-edge problems and techniques in reliability evaluation and risk management. It aims to serve not only an excellent reference for researchers, but also a valuable resource for the practitioners.

Subject Coverage
Topics areas include, but are not limited to:

- Accelerated life testing
- Burn-in techniques
- Condition monitoring techniques
- Fault tolerant techniques
- Health data analysis
- Infectious and noninfectious diseases
- Internet of things and its safety
- Medical care
- Multistate system reliability
- Optimal defense and attack on systems
- Reliability of computing systems
- Reliability of complex networks
- Reliability of energy systems
- Reliability of telecommunication systems
- Reliability of transportation systems
- Risk factor identification
- Risk management
- Safe production
- Safety of artificial intelligence
- Safety of information technology
- Software reliability
- System failure time prediction
- System inspection and maintenance strategies
- Spreading of diseases
Notes for Prospective Authors
Prospective authors are invited to contribute high-quality papers by the submission deadline through the online submission system. The submission of a paper implies that the paper is original and has not been submitted for review or is not copyright-protected elsewhere. All submitted papers will be refereed by experts in the field based on the criteria of originality, significance, quality, and clarity. The authors of accepted papers will have an opportunity to revise their papers and take consideration of the referees' comments and suggestions.

Important Dates
Manuscripts Due by: Sep 1, 2019
Notification to Authors: Nov 1, 2019
Final version Due by: Dec 1, 2019