
Call for Papers
Annals of Operations Research
Special Issue: *Reliability Modeling with Applications Based on*
Big Data

We invite submissions to a special issue of the *Annals of Operations Research* that make a significant contribution to the topic *reliability modeling with applications based on big data*. It is open to all researchers of this area. We would like to encourage, in particular, all participants of the *Asia-Pacific International Symposium on Advanced Reliability and Maintenance Modeling (APARM 2018)* to submit extended versions of their presented papers. Contributions arising from papers given at a conference should be substantially extended, and should cite the conference paper where appropriate.

Reliability and quality management are quite important in many practical stochastic systems, such as computer systems, logistic systems, and production systems, etc. Developing and applying operations research methods to measure the robustness and to solve the engineering problems of a stochastic system are indeed crucial tasks. Big data has become a famous and attractive issue for researchers and industries. How to construct a suitable and accurate reliability model based on big data is critical for decision making. We invite high quality papers from both theory and practice. Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Potential topics include, but are not limited to:

- Reliability engineering and analysis
- Quality measurement of stochastic systems
- Performance evaluation for stochastic systems
- Stochastic network flow
- Stochastic systems with human factors
- Applications in production, manufacturing and logistics
- Stochastics and statistics for stochastic systems
- Decision support for stochastic systems
- Applications in computing, artificial intelligence, and information management
- Applications in service systems
- Fuzzy on stochastic systems
- Soft computing on stochastic systems

Instructions for authors can be found at:

<http://www.springer.com/business/operations+research/journal/10479>

Authors should submit a cover letter and a manuscript by **January 15, 2019**, via the Journal's online submission site. Manuscripts submitted after the deadline may not be considered for the special issue and may be transferred to a regular issue.

Please see the Author Instructions on the web site if you have not yet submitted a paper through Springer's web-based system, *Editorial Manager*. Be sure to note when leaving a comment that your work is intended for the special issue and to select the article type "**SI: Reliability Modeling with Applications Based on Big Data.**"

Papers will be subject to a strict review process managed by the Guest Editors and accepted papers will be published online individually, before print publication.

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