



Call for Papers

Special Issue on Recent Advances in Reliability and Maintenance

Journal of the Operations Research Society of Japan (JORSJ)

<http://www.orsj.or.jp/english/>

Scope: Journal of the Operations Research Society of Japan (JORSJ), which was launched in 1957, has a long history and is regarded as one of leading journals in Operations Research and Management Science. Recently, it has been completely shifted to an *Open Access Journal* which consists of only English papers, and received considerable attentions of OR/MS researchers and practitioners in the world.

This time we are very pleased to inform that *the Special Issue on Recent Advances in Reliability and Maintenance* will be published in JORSJ, October Issue, 2016. All researchers and practitioners who are working in reliability and maintenance field are invited to submit their latest research results to this opportunity. In this special issue, the focus will be on new and innovative techniques that support the development of highly reliable and safe systems in engineering and management field. Empirical researches are also welcome if they are well-balanced by both of theory and practice.

The topics of interest for the special issue, but are not limited, are as follows:

Reliability Modeling and Optimization

- Coherent Systems
- Multi State and Dependent Components
- Reliability Optimization
- Preventive Maintenance Modeling
- Minimal and General Repair Processes
- Shock and Damage Processes
- Degradation Modeling
- Safety and Risk Assessment
- Reliability and Maintenance Simulation

Reliability Statistics

- Theory of Lifetime Distributions
- Estimation and Statistical Tests
- Survival Data Analysis
- Warranty Analysis Manufacturing
- Bayesian Reliability

- Accelerated Life Testing

Applications

- Hardware and Software Systems
- Computer and Communication Systems
- Dependable Computing
- Cyber Physical Systems
- Information Security
- Service Computing and Engineering
- Human Reliability
- Design for Six Sigma and Quality Assurance
- Production/Inventory Systems
- Reliability Physics

Paper Submission Details: Authors are invited to submit original research contributions through the journal's manuscript central, where they are requested to specify this special issue in the column of "Comments to the Editorial Office". Without this, their papers will not be sent to the review process in the special issue.

Papers that are extensions of conference publications must contain new materials, so it must be clearly stated that the manuscript is an extension of a previously published work. All submissions are peer-reviewed by at least two reviewers. Since the number of accepted papers is limited in this special issue, some good papers, which can be potentially accepted if the revisions are sufficiently made, may be rejected but recommended for the contributors to submit the manuscripts to regular issues.

Important Dates:

- Submission deadline: August 31, 2015
- First round notification: December 31, 2015
- Revised submission deadline: March 30, 2016
- Final notification: May 31, 2016

Guest Editors (alphabetical)

Tadashi Dohi *

Department of Information Engineering

Hiroshima University, Japan

Fumio Ohi

Department of Scientific and Engineering Simulation

Nagoya Institute of Technology, Japan

*Contact Guest Editor: dohi@rel.hiroshima-u.ac.jp