

Special Issue on
Multi-State System Reliability

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In two-state reliability modeling, the system is assumed to be either in a working state or in a failed one. However, in many real-life situations, this binary-state assumption may not be adequate. In multi-state reliability modeling, the multi-state system (MSS) may have more than two levels of performance varying from perfect functioning to complete failure and may actually be performing at different intermediate states. The reliability analysis and optimization of MSS should consider multiple operational states to take into account multiple degradation levels. We invite researchers with an interest in reliability and performability analysis and practicing reliability engineers to present recent advances and original research dealing with MSS reliability and related to assessment, optimization and applications. Researchers and practitioners are invited to submit complete original papers dealing with the following topics but are not limited to:

- Performance measures of multi-state systems, analytical evaluation and simulation.
- MSS reliability optimization.
- MSS maintenance optimization.
- Application problems.

Submission Guidelines

Authors may submit the draft manuscript electronically to the guest Editor of the special issue, Prof Mustapha Nourelfath (Mustapha.Nourelfath@gmc.ulaval.ca) but it is necessary that the final version of the papers must be necessarily prepared in MS Word in the camera-ready form as per the [guidelines](#) available on the website of the journal. The maximum length of each paper should be about 10 printed pages of IJPE.

Important Dates

- Last date of submission of a detailed abstract: **September 30, 2009**
- Paper submission deadline: **October 31, 2009**
- First review deadline: **January 15, 2010**
- Revised version submission (if required) deadline: **February 15, 2010**
- Second review deadline: **February 28, 2010**
- Final version of the papers from authors: **March 31, 2010**
- Date of publication: **July 2010**

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