

International Conference on Industrial Engineering and Systems Management

May 13-15, 2009, Montreal, Canada

Call for papers - Special Session on Multi-State System Reliability

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Session Description

In binary 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 system may rather have more than two levels of performance varying from perfect functioning to complete failure. A multi-state system (MSS) may perform at different intermediate states between working perfectly and total failure. 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.

Recommended Topics

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;
- Multi-state systems reliability optimization ; and
- Application problems.

Instructions to authors

Authors are requested to provide a full paper of 10 pages maximum, written in English. The full manuscript should be submitted in accordance with the template format of the conference (available at <https://symposia.cirrelt.ca/IESM09/en/Instructionstoauthors>)

Submission

The authors are requested to submit their draft papers online and select the proper special session at <https://symposia.cirrelt.ca/IESM09/en/Submission>.

Important deadlines

Draft papers and posters should be submitted by **November 15, 2008**

Authors will receive the acceptance notification by **February 15, 2009**

Final papers for presentation should be sent before **March 1, 2009**

For complete information, visit the IESM'2009 Web Site at

<http://cirrelt.ca/IESM2009>

