

IMS Researcher Profile

Institution: UM

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Expertise: Stochastic Modeling

Current Research Activities: Maintenance decision making under risk considerations

Dissertation/Thesis Topics: Risk based maintenance decision making

Project 1: Buffer study for General Motors

- Analyzing impact of certain maintenance policies and buffer management on throughput
- Simulated and compared various maintenance policies

Skills: MATLAB, C/C++, Promodel, Mathematica
ProEngineer, SolidWorks

Previous Background: Student

Publications:

Ambani, S. Li, L., Ni, J., "Maintenance Decision Making: An agent based approach," Submitted to journal of Reliability Engineering & System Safety.

Li, L., Ambani, s., Ni, J., "Plant-level maintenance decision support systems for throughput improvement" Submitted to International Journal of Production Research.