

## Accepted Manuscript

Bi-Objective optimization of a job shop with two types of failures for the operating machines that use automated guided vehicles

Behzad Karimi , S.T.A. Niaki , Hassan Haleh , Bahman Naderi

PII: S0951-8320(17)30833-5  
DOI: [10.1016/j.ress.2018.01.018](https://doi.org/10.1016/j.ress.2018.01.018)  
Reference: RESS 6096



To appear in: *Reliability Engineering and System Safety*

Received date: 12 July 2017  
Revised date: 21 January 2018  
Accepted date: 25 January 2018

Please cite this article as: Behzad Karimi , S.T.A. Niaki , Hassan Haleh , Bahman Naderi , Bi-Objective optimization of a job shop with two types of failures for the operating machines that use automated guided vehicles, *Reliability Engineering and System Safety* (2018), doi: [10.1016/j.ress.2018.01.018](https://doi.org/10.1016/j.ress.2018.01.018)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Highlights**

- A bi-objective reliability optimization via simulation is proposed for a job shop
- The failure times of the parallel machines in a shop follow either an exponential or a Weibull distribution
- A simulation approach is taken to estimate the reliability of the shops having machines with Weibull failures
- NSCS and MOTLBO algorithms are designed to solve the problem
- AHP-TOPSIS is used to rank the algorithms in terms of five performance metrics.

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات