

Mechanical Engineering

Manufacturing Engineering

Industrial Engineering

# Maintenance, Reliability and Condition Monitoring



**Editor in Chief**

Jyoti K. Sinha

The University of Manchester, (UK)

[jyoti.sinha@manchester.ac.uk](mailto:jyoti.sinha@manchester.ac.uk)

**Editorial Board**

Gopinath Chattopadhyay

Federation University, (Australia)

[g.chattopadhyay@federation.edu.au](mailto:g.chattopadhyay@federation.edu.au)

Stephan Heyns

University of Pretoria, (South Africa)

[stephan.heyns@up.ac.za](mailto:stephan.heyns@up.ac.za)

Andrew K S Jardine

University of Toronto, (Canada)

[jardine@mie.utoronto.ca](mailto:jardine@mie.utoronto.ca)

Lin Jing

Beihang University, (Beijing)

[linjing@buaa.edu.cn](mailto:linjing@buaa.edu.cn)

Uday Kumar

Luleå University of Technology, (Sweden)

[uday.kumar@ltu.se](mailto:uday.kumar@ltu.se)

David Mba

De Montfort University, Leicester, (UK)

[david.mba@dmu.ac.uk](mailto:david.mba@dmu.ac.uk)

# MARC Maintenance, Reliability and Condition Monitoring

## Aims and Scope

MARC is devoted to a broad area with multi-disciplinary interests in the fields of plant maintenance, asset management, reliability, condition monitoring and related areas, ranging from fundamental research to real-world applications.

The list of principal topics:

- Vibro-acoustics monitoring
- Asset management
- Condition-based maintenance
- Condition monitoring
- eMaintenance, mobile technology
- Health, safety and environment
- Sensing and instrumentation
- Life cycle cost optimization
- Machine health monitoring
- Machine lube oil analysis and monitoring
- Maintenance auditing
- Prognostics and health management
- Maintenance organization
- Maintenance performance measurement
- Non-destructive testing
- Manufacturing process monitoring
- Plant outage
- Turnaround management
- Reliability, maintainability and risk
- Robot based monitoring and diagnostics
- AI technologies
- Signal and image processing methods
- Intelligent fault diagnosis

**All published papers are peer reviewed and crosschecked by plagiarism detection tools.**

More information is available online <https://www.extrica.com/journal/marc>

## The journal material is referred:

**Scilit:** <https://www.scilit.net>

**Dimensions:** <https://www.dimensions.ai>

**Google Scholar:** <https://scholar.google.com>

**WanFang Data:** <https://www.wanfangdata.com.cn>

**JGate:** <https://jgateplus.com>

**TDNet:** <https://www.tdnet.io>

**WorldCat Discovery Services:** <https://www.oclc.org/en/worldcat-discovery.html>

**MyScienceWork:** <https://www.mysciencework.com>

**Crossref:** <https://search.crossref.org>

Content is archived in **Martynas Mazvydas National Library of Lithuania**

**Internet:** <https://www.extrica.com>

**E-mail:** [publish@extrica.com](mailto:publish@extrica.com)

**Publisher:** JVE International Ltd., Geliu ratas 15A, LT-50282, Kaunas, Lithuania

# MARC

## Maintenance, Reliability and Condition Monitoring

---

JUNE 2023. VOLUME 3, ISSUE 1, PAGES (1-26), ISSN ONLINE 2669-2961

## Contents

<b>VIBRATION INFLUENCE OF DIFFERENT TYPES OF HEAVY-DUTY TRUCKS ON ROAD SURFACE DAMAGE</b>	<b>1</b>
MINGMING SUN, VANLIEM NGUYEN	
<b>OPTIMIZING AND RELIABILITY ANALYSIS BY FIREFLY AND GENETIC ALGORITHMS FOR A QUADCOPTER</b>	<b>10</b>
AMIRHOSSEIN GHOLAMI, ABOLGHASEM NAGHASH, MAHDI BAGHERIAN DEHAGHI, KAZEM IMANI	



SHORT DESCRIPTION ABOUT THIS CATEGORY

Broad area with multi-disciplinary interests in the fields of plant maintenance, asset management, reliability, condition monitoring and related areas, ranging from fundamental research to real-world applications.

