Extrica Journals
Engineering

ISSN ONLINE 2669-2961

December 2024
VOLUME 4 ISSUE 2
PAGES 32-63

Mechanical Engineering

Manufactoring Engineering

Industrial Engineering

Maintenance, Reliability and Condition Monitoring

OPEN ACCESS JOURNALS

Editor in Chief

Jyoti K. Sinha	The University of Manchester, (United Kingdom)	jyoti.sinha@manchester.ac.uk

Editorial Board

Gopinath Chattopadhyay	Federation University, (Australia)	g.chattopadhyay@federation.edu.au
Stephan Heyns	University of Pretoria, (South Africa)	stephan.heyns@up.ac.za
Andrew K S Jardine	University of Toronto, (Canada)	jardine@mie.utoronto.ca
Lin Jing	Beihang University, (China)	linjing@buaa.edu.cn
Uday Kumar	Luleå University of Technology, (Sweden)	uday.kumar@ltu.se
David Mba	De Montfort University, Leicester, (United Kingdom)	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:

EBSCO: https://www.ebsco.com
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
Publisher: Extrica

ISSN ONLINE 2669-2961

MARC Maintenance, Reliability and Condition Monitoring

DECEMBER 2024. VOLUME 4, ISSUE 2, PAGES (32-63), ISSN ONLINE 2669-2961

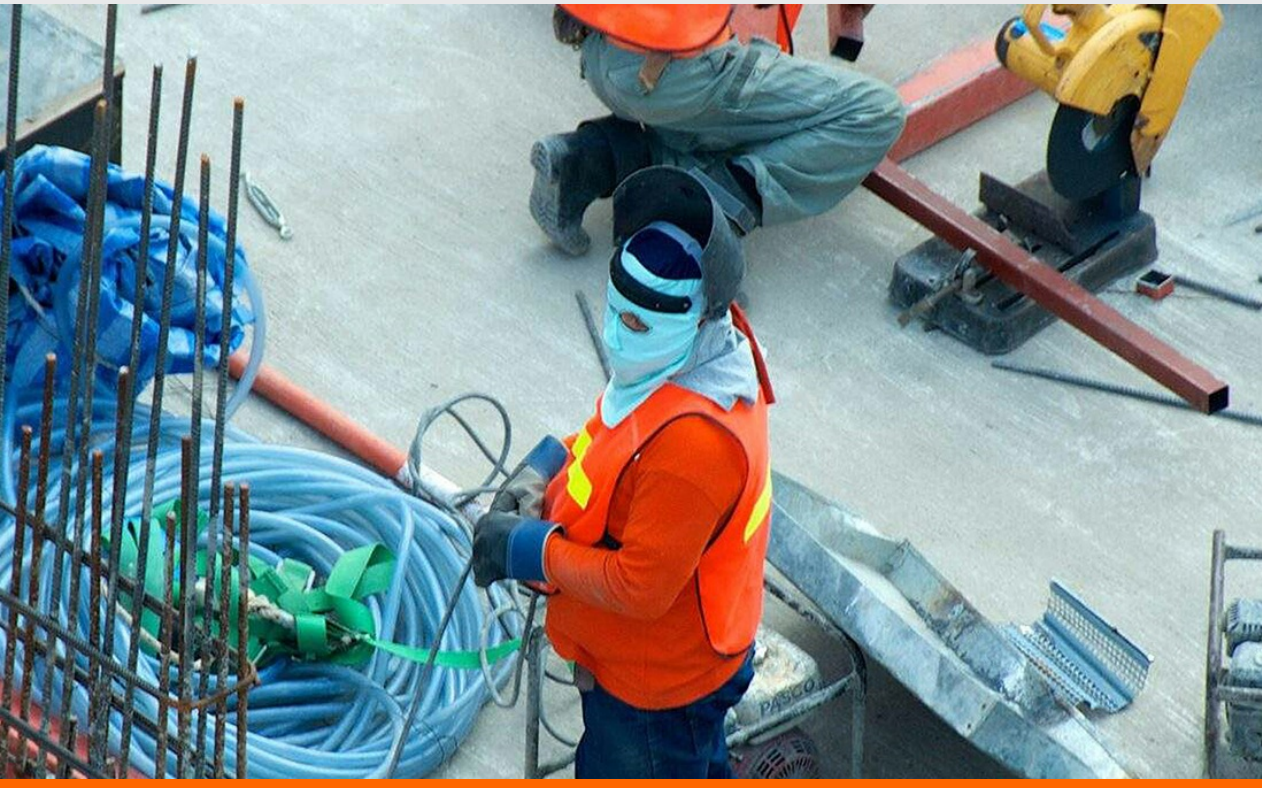
Contents

STRAIN RESPONSE PREDICTION OF OFFSHORE WIND TURBINE TOWER UNDER FREE VIBRATION **32**

ZERONG ZHANG, WEI ZHANG, SHIQIANG ZHANG

ASSET MANAGEMENT DECISION-MAKING THROUGH DATA-DRIVEN PREDICTIVE MAINTENANCE – AN OVERVIEW, TECHNIQUES, BENEFITS AND CHALLENGES **44**

MADHU KRISHNA MENON, RABIN TULADHAR

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.