



Alaa Abdulhady Jaber

علاء عبد الهادي جبرمطر الماجدي

Associate Professor

PROFILE

Alaa Abdulhady Jaber earned his Ph.D. from the School of Mechanical and Systems Engineering, Newcastle University, United Kingdom, in 2016. He obtained his MSc and BSc degrees in Applied Mechanics from the Mechanical Engineering Department, University of Technology, Iraq, in 2008 and 2006, respectively. He has published more than 50 journal and conference papers. His main research interests include condition monitoring, fault diagnosis, vibration analysis, artificial intelligence, robotics, and control.

ACADEMIC TITLES

2019-05-13 Associate Professor

ADMINISTRATIVE POSITIONS

2017-06-01 - 2023-01-15 Director of Scientific Affairs and Cultural Relations Department

2023-10-31 - Present Deputy Dean for Scientific Affairs

PUBLICATIONS (1 9 7)

- Integrated Experimental, Statistical, and Finite Element Analysis of Nanoparticle-Reinforced Polymer Composites for Advanced Structural Applications Completed with Bibliometric ...**
ASEAN Journal for Science and Engineering in Materials 5 (2), 287-310, 2026 | 2026 | Cited: 1
- Experimental and machine learning approaches for the design and optimization of additively manufactured polymer gears: a review**
Multiscale and Multidisciplinary Modeling, Experiments and Design 9 (1), 60, 2026 | 2026 | Cited: 1
- Vibration-based delamination evaluation in GFRP composite plates using random forest**
Multiscale and Multidisciplinary Modeling, Experiments and Design 8 (4), 1-17, 2025 | 2025 | Cited: 2
- Robust Multi-State EEG Cognitive Classification via Optimized Time-Domain Features and CatBoost.**
International Journal of Robotics & Control Systems 5 (2), 2025 | 2025 | Cited: 2
- Vibration-based delamination evaluation in GFRP composite plates using random forest**
Multiscale and Multidisciplinary Modeling, Experiments and Design 8 (4), 218, 2025 | 2025 | Cited: 2
- AI enabled manufacturing: a deep learning approach to network fault detection**
2025 4th international conference on computing and information technology ..., 2025 | 2025 | Cited: 7
- Structural optimization-based enhancement of the dynamic performance for horizontal axis wind turbine blade**
JOURNAL OF APPLIED AND COMPUTATIONAL MECHANICS 11 (3), 811-825, 2025 | 2025 | Cited: 7
- 3D Printed PLA+ Bone Support Devices: Raster Angle Optimization for Enhanced Mechanical Performance in Orthopedic Applications**
2025
- Optimizing wind turbine performance: the impact of atmospheric factors and advanced control strategies**
Terra Joule Journal 1 (1), 3, 2025 | 2025 | Cited: 7

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EDUCATION

دكتوراه (05-05-2016)

Applied Mechanics/Mechatronics

Newcastle University

RESEARCH METRICS

h-index (Scopus) 28

h-index (GS) 36

Citations (Scopus) 1914

Citations (GS) 2790

Documents (Scopus) 94

Documents (GS) 123

RESEARCH INTERESTS

- Condition Monitoring
- Fault Diagnosis
- Vibration Analysis
- Machine Learning
- Embedded Systems



10. **Reliability-oriented framework for UAV-based inspection missions in modern power and energy systems**
Scientific Reports, 2025 | 2025 | Cited: 4
11. **Applications of Structural Health Monitoring Approach for Defect Detection in Composite Structure: A Review**
Iranian Journal of Science and Technology, Transactions of Civil Engineering ..., 2025 | 2025 | Cited: 2
12. **Temporal Feature Extraction and Gradient Boosting for Binary**
Data Science and Communication Engineering: Proceedings of ICTD C 2024, 443, 2025 | 2025
13. **3D Printed PLA+ Bone Support Devices: Raster Angle Optimization for Enhanced Mechanical Performance in Orthopedic Applications**
2025
14. **Indonesian Journal of Science & Technology**
Indonesian Journal of Science & Technology 10 (2), 207-236, 2025 | 2025
15. **DEAR-Taguchi analysis of buckling load and shear force in AA6061-T6 friction stir spot welds**
Multiscale and Multidisciplinary Modeling, Experiments and Design 8 (1), 94, 2025 | 2025 | Cited: 1
16. **Zeitschrift für Naturforschung: Stability analysis of semi-analytical technique for time-fractional Cauchy reaction-diffusion equations**
De Gruyter, 2025 | 2025
17. **Optimization of hybrid core designs in 3D-printed PLA+ sandwich structures: An experimental, statistical, and computational investigation completed with bibliometric analysis**
Indonesian Journal of Science and Technology 10 (2), 207-236, 2025 | 2025 | Cited: 11
18. **Environmental engineering solutions for efficient soil classification in southern Syria: a clustering-correlation extreme learning approach**
International Journal of Environmental Science and Technology 22 (4), 2177-2190, 2025 | 2025 | Cited: 12
19. **Energy consumption and efficiency degradation predictive analysis in unmanned aerial vehicle batteries using deep neural networks**
Advances in Science and Technology. Research Journal 19 (5), 2025 | 2025 | Cited: 28
20. **Structural optimization-based enhancement of the dynamic performance for horizontal axis wind turbine blade**
Journal of Applied and Computational Mechanics 11 (3), 811-825, 2025 | 2025 | Cited: 8
21. **Fault Detection and Diagnosis Methodologies for Unmanned Aerial Vehicles: State-of-the-Art**
Journal of Intelligent & Robotic Systems 111 (2), 63, 2025 | 2025 | Cited: 15
22. **AI Enabled Manufacturing: A Deep Learning Approach to Network Fault Detection**
2025 4th International Conference on Computing and Information Technology ..., 2025 | 2025 | Cited: 7
23. **Multiaxial vibration data for blade fault diagnosis in multirotor unmanned aerial vehicles**
Scientific Data 12 (1), 1383, 2025 | 2025 | Cited: 12
24. **Enhancing predictive maintenance in energy systems using a hybrid Kolmogorov-Arnold network (KAN) with short-time Fourier transform (STFT) framework for rotating machinery**
ASEAN Journal of Science and Engineering 5 (2), 465-494, 2025 | 2025 | Cited: 5
25. **Enhanced Load-Settlement Curve Forecasts for Open-Ended Pipe Piles Incorporating Soil Plug Constraints Using Shallow and Deep Neural Networks**
China Ocean Engineering 39 (3), 562-572, 2025 | 2025 | Cited: 7
26. **Thermal heat flux distribution prediction in an electrical vehicle battery cell using finite element analysis and neural network**
Green Energy and Intelligent Transportation 3 (3), 100155, 2024 | 2024 | Cited: 57
27. **Artificial neural network and response surface methodology for modeling reverse osmosis process in wastewater treatment**
Journal of Industrial and Engineering Chemistry 133, 599-613, 2024 | 2024 | Cited: 50
28. **Enhanced Fault Detection of Wind Turbine Using eXtreme Gradient Boosting Technique Based on Nonstationary Vibration Analysis**
Journal of Failure Analysis and Prevention, 1-19, 2024 | 2024
29. **Integration of Discrete Wavelet and Fast Fourier Transforms for Quadcopter Fault Diagnosis**
Experimental Techniques, 1-12, 2024 | 2024

30. **Diagnosis of Bearing Faults Using Temporal Vibration Signals: A Comparative Study of Machine Learning Models with Feature Selection Techniques**
Journal of Failure Analysis and Prevention, 1-17, 2024 | 2024
31. **Vibration-current data fusion and gradient boosting classifier for enhanced stator fault diagnosis in three-phase permanent magnet synchronous motors**
Electrical Engineering 106 (3), 3253-3268, 2024 | 2024 | Cited: 74
32. **Coupled finite element and artificial neural network analysis of interfering strip footings in saturated cohesive soils**
Transportation Infrastructure Geotechnology 11 (4), 2168-2185, 2024 | 2024 | Cited: 37
33. **Coupled Finite Element and Artificial Neural Network Analysis of Interfering Strip Footings in Saturated Cohesive Soils**
Transportation Infrastructure Geotechnology, 1-18, 2024 | 2024
34. **Fault diagnosis of actuator damage in UAVs using embedded recorded data and stacked machine learning models**
The Journal of Supercomputing 80 (3), 3005-3024, 2024 | 2024 | Cited: 59
35. **Forecasting the productivity of a solar distiller enhanced with an inclined absorber plate using stochastic gradient descent in artificial neural networks**
Multiscale and Multidisciplinary Modeling, Experiments and Design 7 (3 ...), 2024 | 2024 | Cited: 49
36. **Enhanced fault detection of wind turbine using extreme gradient boosting technique based on nonstationary vibration analysis**
Journal of Failure Analysis and Prevention 24 (2), 877-895, 2024 | 2024 | Cited: 52
37. **Diagnosis of bearing faults using temporal vibration signals: a comparative study of machine learning models with feature selection techniques**
Journal of Failure Analysis and Prevention 24 (2), 752-768, 2024 | 2024 | Cited: 53
38. **Vibration signal processing for multirotor UAVs fault diagnosis: Filtering or multiresolution analysis**
Eksploracja i Niezawodność 26 (1), 2024 | 2024 | Cited: 45
39. **The effect of chopped carbon fibers on the mechanical properties and fracture toughness of 3D-printed PLA parts: an experimental and simulation study**
Journal of Composites Science 8 (7), 273, 2024 | 2024 | Cited: 45
40. **Application of AdaBoost for stator fault diagnosis in three-phase permanent magnet synchronous motors based on vibration-current data fusion analysis**
Electrical Engineering 106 (4), 4527-4542, 2024 | 2024 | Cited: 40
41. **UAV propeller fault diagnosis using deep learning of non-traditional χ^2 -selected Taguchi method-tested Lempel-Ziv complexity and Teager-Kaiser energy features**
Scientific Reports 14 (1), 18599, 2024 | 2024 | Cited: 45
42. **Automated Wind Turbines Gearbox Condition Monitoring: A Comparative Study of Machine Learning Techniques Based on Vibration Analysis.**
FME Transactions 52 (3), 2024 | 2024 | Cited: 34
43. **Quadcopter unmanned aerial vehicle structural design using an integrated approach of topology optimization and additive manufacturing**
Designs 8 (3), 58, 2024 | 2024 | Cited: 39
44. **Integration of discrete wavelet and fast fourier transforms for quadcopter fault diagnosis**
Experimental Techniques 48 (5), 865-876, 2024 | 2024 | Cited: 23
45. **Protocol for UAV fault diagnosis using signal processing and machine learning**
STAR protocols 5 (4), 103351, 2024 | 2024 | Cited: 19
46. **Comparative Analysis of SVM and ANN for Machine Condition Monitoring and Fault Diagnosis in Gearboxes.**
Mathematical Modelling of Engineering Problems 11 (4), 2024 | 2024 | Cited: 17
47. **Towards dental diagnostic systems: Synergizing wavelet transform with generative adversarial networks for enhanced image data fusion**
Computers in Biology and Medicine 182, 109241, 2024 | 2024 | Cited: 17

48. **3D Printing for wind turbine blade manufacturing: A review of materials, design optimization, and challenges**
Eng. Technol. J 42, 895-911, 2024 | 2024 | Cited: 14
49. **Effective Ball Bearing Fault Diagnosis Leveraging ANN and Statistical Feature Integration**
CEUR Workshop Proceedings, 2024 | 2024 | Cited: 4
50. **Solar Trees: Harnessing Renewable Energy for Portable Charging of Low-Capacity Devices**
CEUR Workshop Proceedings 3869 (9), 18, 2024 | 2024 | Cited: 5
51. **Optimizing Wind Turbine Performance: The Impact of Atmospheric Factors and Advanced Control Strategies**
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52. **Finite-element investigations on the influence of material selection and geometrical parameters on dental implant performance**
Curved and Layered Structures 11 (1), 20240015, 2024 | 2024 | Cited: 7
53. **Optimizing water resources for sustainable desalination: The integration of expert systems and solar energy in experimental applications**
Desalination and Water Treatment 320, 100683, 2024 | 2024 | Cited: 9
54. **Hand Gesture Recognition Based on Surface Electromyography Signals with Wavelet Packet Transform Using ANN and LDA**
International Conference on Data Science and Communication, 667-682, 2024 | 2024
55. **Random Forest Multiclass Classification Fault Detection and Diagnosis for Quadcopter UAVs**
*International Conference on Electrical Engineering and Control Applications ... *, 2024 | 2024
56. **Modal Analysis of an Additively Manufacturing Scaled Wind Turbine Blade**
Journal of Computational Applied Mechanics 55 (4), 683-697, 2024 | 2024
57. **Design of a Robust Controller Based on Barrier Function for Vehicle Steer-by-Wire Systems**
World Electric Vehicle Journal 15 (1), 17, 2024 | 2024 | Cited: 38
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Green Energy and Intelligent Transportation, 100155, 2024 | 2024 | Cited: 1
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FME Transactions 52 (1), 2024 | 2024 | Cited: 8
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Engineering and Technology Journal 42 (1), 104-116, 2024 | 2024 | Cited: 30
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SYSTEM, 42-48, 2024 | 2024 | Cited: 4
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ICYRIME, 9-18, 2024 | 2024 | Cited: 5

68. **Vibration-based fault detection and classification in ball bearings using statistical analysis and random forest**
Proceedings of SPIE - The International Society for Optical Engineering | 2024
69. **Barrier function-based integral sliding mode controller design for a single-link rotary flexible joint robot**
International Journal on Smart Sensing and Intelligent Systems, 2024 | 2024 | Cited: 3
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CEUR Workshop Proc 3870, 10-19, 2024 | 2024 | Cited: 7
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STAR protocols 5 (4), 2024 | 2024 | Cited: 20
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AIP Conference Proceedings 2977 (1), 030022, 2023 | 2023 | Cited: 7
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AIP Conference Proceedings 2977 (1), 020034, 2023 | 2023
76. **Investigation of frequency-domain-based vibration signal analysis for UAV unbalance fault classification**
Engineering and Technology Journal 41 (7), 915-923, 2023 | 2023 | Cited: 48
77. **Bearings health monitoring based on frequency-domain vibration signals analysis**
Engineering and Technology Journal 41 (1), 86-95, 2023 | 2023 | Cited: 39
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84. **Defining the optimal conditions using FFNNs and NARX neural networks for modelling the extraction of Sc from aqueous solution by Cryptand-2.2. 1 and Cryptand-2.1. 1**
Heliyon 9 (11), 2023 | 2023 | Cited: 16
85. **Analysis of 5 MW NREL Wind Turbine Using Qblade Software**
2023 International Conference on Network, Multimedia and Information ...;, 2023 | 2023 | Cited: 4
86. **Application of Discrete Wavelet Transform for Condition Monitoring and Fault Detection in Wind Turbine Blades: An Experimental Study**
Engineering and Technology Journal, 1-13, 2023 | 2023
87. **Statistically Optimal Vibration Feature Selection for Fault Diagnosis in Wind Turbine Blade**
International Journal of Renewable Energy Research (IJRER) 13 (3), 1082-1092, 2023 | 2023 | Cited: 1

88. **A methodological approach for detecting multiple faults in wind turbine blades based on vibration signals and machine learning**
Curved and Layered Structures 10 (1), 20220214, 2023 | 2023 | Cited: 70
89. **Fault diagnosis of actuator damage in UAVs using embedded recorded data and stacked machine learning models**
The Journal of Supercomputing, 1-20, 2023 | 2023 | Cited: 6
90. **Numerical investigations of two vibrating cylinders in uniform flow using overset mesh**
Curved and Layered Structures 10 (1), 20220208, 2023 | 2023 | Cited: 3
91. **Improved UAV blade unbalance prediction based on machine learning and ReliefF supreme feature ranking method**
Journal of the Brazilian Society of Mechanical Sciences and Engineering 45 (9), 2023 | 2023 | Cited: 60
92. **Prediction of the belt drive contamination status based on vibration analysis and artificial neural network**
Journal of Intelligent & Fuzzy Systems, 1-15, 2023 | 2023 | Cited: 10
93. **Fabrication of a test rig for gearbox fault simulation and diagnosis**
Diagnostyka 24, 2023 | 2023 | Cited: 8
94. **An intelligent fault diagnosis approach for multirotor UAVs based on deep neural network of multi-resolution transform features**
Drones 7 (2), 82, 2023 | 2023 | Cited: 114
95. **Modeling of lead (II) ion adsorption on multiwall carbon nanotubes using artificial neural network and Monte Carlo technique**
Chemical Engineering Communications 210 (10), 1642-1658, 2023 | 2023 | Cited: 24
96. **Design of Artificial Neural Network for Prediction of Hydrogen Sulfide and Carbon Dioxide Concentrations in a Natural Gas Sweetening Plant.**
Ecological Engineering & Environmental Technology (EET) 24 (2), 2023 | 2023 | Cited: 7
97. **Wind turbine blades fault diagnosis based on vibration dataset analysis**
Data in Brief 49, 109414, 2023 | 2023 | Cited: 8
98. **Influence of Operationally Consumed Propellers on Multirotor UAVs Airworthiness: Finite Element and Experimental Approach**
IEEE Sensors Journal, 2023 | 2023 | Cited: 10
99. **Investigation of Frequency-Domain-Based Vibration Signal Analysis for UAV Unbalance Fault Classification**
Engineering and Technology Journal 41 (07), 1-9, 2023 | 2023 | Cited: 7
100. **Retraction: Quadcopter 3d-printer frame static optimization**
AIP Conference Proceedings 2977 (1), 020034, 2023 | 2023 | Cited: 1
101. **Retraction: Quadcopter topology optimization based on impact analysis**
AIP Conference Proceedings 2977 (1), 030022, 2023 | 2023 | Cited: 9
102. **Influence of operationally consumed propellers on multirotor UAVs airworthiness: finite element and experimental approach**
IEEE Sensors Journal 23 (11), 11738-11745, 2023 | 2023 | Cited: 45
103. **Investigation of frequency-domain-based vibration signal analysis for UAV unbalance fault classification**
Engineering and Technology Journal 41 (7), 1-9, 2023 | 2023 | Cited: 47
104. **Statistically Optimal Vibration Feature Selection for Fault Diagnosis in Wind Turbine Blade**
Int. J. Renew. Energy Res 13 (3), 1082-1092, 2023 | 2023 | Cited: 41
105. **An Intelligent Fault Diagnosis Approach for Multirotor UAVs Based on Deep Neural Network of Multi-Resolution Transform Features, Drones, 2023, 7, 82**
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106. **Bearings health monitoring based on frequency-domain vibration signals analysis**
Engineering and Technology Journal 41 (1), 86-95, 2023 | 2023 | Cited: 11
107. **Investigation of frequency-domain-based vibration signal analysis for UAV unbalance fault classification**
Eng Technol J 41 (7), 1-9, 2023 | 2023 | Cited: 10

108. **Design of artificial neural network for prediction of hydrogen sulfide and carbon dioxide concentrations in a natural gas sweetening plant**
Ecological Engineering & Environmental Technology 24, 2023 | 2023 | Cited: 25
109. **Wind turbine blades fault diagnosis based on vibration dataset analysis**
Data in brief 49, 109414, 2023 | 2023 | Cited: 62
110. **Influence of renewable fuels and nanoparticles additives on engine performance and soot nanoparticles characteristics**
CQUniversity, 2022 | 2022 | Cited: 49
111. **Bearings health monitoring based on frequency-domain vibration signals analysis**
Engineering and Technology Journal 41 (1), 86-95, 2022 | 2022 | Cited: 39
112. **Applications of Machine Learning Techniques for Fault Diagnosis of UAVs.**
SYSTEM, 19-25, 2022 | 2022 | Cited: 38
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114. **An intelligent quadcopter unbalance classification method based on stochastic gradient descent logistic regression**
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115. **Experimental investigation of dehumidification and regeneration of zeolite coated energy exchanger**
2022 | Cited: 15
116. **Free vibration analysis of a wind turbine blade made of composite materials**
International Middle Eastern Simulation and Modeling Conference 2022, 27-29, 2022 | 2022 | Cited: 25
117. **Design of a sliding mode controller for a prosthetic human hand's finger**
Engineering and Technology Journal 40 (1), 257-266, 2022 | 2022 | Cited: 7
118. **An overset mesh approach for a vibrating cylinder in uniform flow**
Curved and Layered Structures 9 (1), 396-402, 2022 | 2022 | Cited: 5
119. **Experimental investigation of dehumidification and regeneration of zeolite coated energy exchanger**
International Journal of Thermofluids 15, 100164, 2022 | 2022 | Cited: 2
120. **Applications of Machine Learning Techniques for Fault Diagnosis of UAVs**
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121. **An Intelligent Quadcopter Unbalance Classification Method Based on Stochastic Gradient Descent Logistic Regression**
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122. **Design of a Robust Controller for a Gearbox Connected Two-Mass System Based on a Hybrid Model**
FME Transactions 50 (1), 2022 | 2022 | Cited: 7
123. **Influence of Renewable Fuels and Nanoparticles Additives on Engine Performance and Soot Nanoparticles Characteristics.**
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124. **Influence of fuel injection pressure and RME on combustion, NOx emissions and soot nanoparticles characteristics in common-rail HSDI diesel engine**
International Journal of Thermofluids 15, 100173, 2022 | 2022 | Cited: 70
125. **Influence of fuel injection pressure and RME on combustion, NO emissions and soot nanoparticles characteristics in common-rail HSDI diesel engine**
Int. J. Thermofluids 15, 100173, 2022 | 2022 | Cited: 12
126. **Rotating Machinery Fault Diagnosis based on Artificial Intelligence and Vibration Analysis**
2022
127. **Extraction of Cellulose Nanoparticles via Modified Thermochemical Processes from Agricultural Wastes**
International Journal on Advanced Science Engineering and Information Technology, 2022 | 2022 | Cited: 1

128. **Integration of machine learning (ML) and finite element analysis (FEA) for predicting the failure modes of a small horizontal composite blade**
International Journal of Renewable Energy Research (IJRER) 12 (4), 2168-2179, 2022 | 2022 | Cited: 52
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133. **Applications of Machine Learning Techniques for Fault Diagnosis of UAVs.**
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134. **Rotating Machinery Fault Diagnosis based on Artificial Intelligence and Vibration Analysis.**
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135. **Design of a sliding mode controller for a prosthetic human hand's finger**
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143. **Time domain signal analysis to detect bearing faults using motor current signature analysis**
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144. **STUDY THE DUCTILITY OF ALUMINUM ALLOY PROCESSED BY ASYMMETRIC ROLLING PROCESS**
ENGINEERING AND TECHNOLOGY JOURNAL 38 (10A), 1461-1469, 2020 | 2020
145. **Bearing fault diagnosis using motor current signature analysis and the artificial neural network**
International Journal on Advanced Science, Engineering and Information ..., 2020 | 2020 | Cited: 34
146. **Estimation the Natural Frequencies of a Cracked Shaft Based on Finite Element Modeling and Artificial Neural Network**
International Journal on Advanced Science, Engineering and Information ..., 2020 | 2020 | Cited: 18
147. **Time domain signal analysis to detect bearing faults using motor current signature analysis**
AIP Conference Proceedings 2213 (1), 2020 | 2020
148. **Prediction of hourly cooling energy consumption of educational buildings using artificial neural network**
Space 10137, m3, 2019 | 2019 | Cited: 27
149. **Internet of things based industrial environment monitoring and control: a design approach**
International Journal of Electrical and Computer Engineering (IJECE) 9 (6 ..., 2019 | 2019 | Cited: 37

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151. **Artificial neural network based fault diagnosis of a pulley-belt rotating system**
International Journal on Advanced Science, Engineering and Information ...;, 2019 | 2019 | Cited: 29
152. **Development of a Condition Monitoring Algorithm for Industrial Robots based on Artificial Intelligence and Signal Processing Techniques.**
International Journal of Electrical & Computer Engineering (2088-8708) 8 (2), 2018 | 2018 | Cited: 46
153. **Metal flow control in producing the non symmetrical parts in deep drawing process**
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158. **Literature Review**
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159. **Wireless fault detection system for an industrial robot based on statistical control chart**
International Journal of Electrical and Computer Engineering 7 (6), 3421, 2017 | 2017 | Cited: 19
160. **Robot Hardware, Transmission Faults and Data Acquisition**
Design of an Intelligent Embedded System for Condition Monitoring of an ...;, 2017 | 2017 | Cited: 1
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162. **Puma 560 robot and its dynamic characteristics**
Design of an Intelligent Embedded System for Condition Monitoring of an ...;, 2017 | 2017 | Cited: 1
163. **Embedded System Design**
Design of an Intelligent Embedded System for Condition Monitoring of an ...;, 2017 | 2017
164. **Robot Vibration Analysis and Feature Extraction**
Design of an Intelligent Embedded System for Condition Monitoring of an ...;, 2017 | 2017
165. **Embedded Software Design, System Testing and Validation**
Design of an Intelligent Embedded System for Condition Monitoring of an ...;, 2017 | 2017
166. **Intelligent Condition Monitoring System Design**
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167. **Fault diagnosis of industrial robot bearings based on discrete wavelet transform and artificial neural network**
International Journal of Prognostics and Health Management 7 (2), 2016 | 2016
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