

RÉPUBLIQUE ALGÉRIE POPULAIRE DÉMOCRATIQUE

MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE SCIENTIFIQUE



Recherche scientifique du professeur :

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TITRE	LIEN
Detection of two-level inverter open-circuit fault using a combined DWT-NN approach	https://www.hindawi.com/journals/jcse/2018/1976836/ ¹
Diagnosis of an Inverter IGBT Open-circuit Fault by Hilbert-Huang Transform Application.	https://www.researchgate.net/profile/Cherif-Bilal-Djamel-Eddine/publication/335137945_Diagnosis_of_an_Inverter_IGBT_Open-circuit_Fault_by_Hilbert-Huang_Transform_Application/links/5d529c8045851530407099e4/Diagnosis-of-an-Inverter-IGBT-Open-circuit-Fault-by-Hilbert-Huang-Transform-Application.pdf ²
Indirect vector controlled of an induction motor using H [∞] current controller for IGBT open circuit fault compensation	https://onlinelibrary.wiley.com/doi/abs/10.1002/2050-7038.12540 ³
Detection of open-circuit fault in a three-phase voltage inverter fed induction motor	//////////////////// ⁴
An Automatic Diagnosis of an Inverter IGBT Open-Circuit Fault Based on HHT-ANN	https://www.tandfonline.com/doi/abs/10.1080/15325008.2020.1793835 ⁵
Diagnosis of open-circuit fault in a three phase voltage inverter fed induction motor	https://ieeexplore.ieee.org/abstract/document/7416736/ ⁶
A comparative study between methods of detection and localisation of open-circuit faults in a three phase voltage inverter fed induction motor	https://www.researchgate.net/profile/Bendjebbar-Mokhtar/publication/325587066_A_comparative_study_between_methods_of_detection_and_localisation_of_open-circuit_faults_in_a_three_phase_voltage_inverter_fed_induction_motor/links/5b1d11efaca272021cf5606a/A-comparative-study-between-methods-of-detection-and-localisation-of-open-circuit-faults-in-a-three-phase-voltage-inverter-fed-induction-motor.pdf ⁷
A comparative study between two open-circuit fault detection and localization techniques in a threephase inverter fed induction motor	https://ieeexplore.ieee.org/abstract/document/7857513/ ⁸
Neural network based fault diagnosis of three phase inverter fed vector control induction motor	https://pp.bme.hu/eecs/article/view/14315 ⁹
Short-circuit fault diagnosis of the DC-Link capacitor and its impact on an electrical drive system.	http://download.garuda.kemdikbud.go.id/article.php?article=1303993&val=146&title=SHORT-CIRCUIT%20FAULT%20DIAGNOSIS%20OF%20THE%20DC-LINK%20CAPACITOR%20AND%20ITS%20IMPACT%20ON%20AN%20ELECTRICAL%20DRIVE%20SYSTEM ¹⁰

Induction machine rotor and stator faults detection by applying the DTW and NF network	https://ieeexplore.ieee.org/abstract/document/8352216/ ¹¹
A combined RMS-mean value approach for an inverter open-circuit fault detection	https://pp.bme.hu/eecs/article/view/13605 ¹²
The enhancement of park current vectors technique for inverter fault detection	https://ieeexplore.ieee.org/abstract/document/7958646/ ¹³
Open switch fault detection and fault tolerant of power converter fed DFIG in WECS	//////////////////// ¹⁴
Contribution to Reconfigured Multi-Level Inverter Fed Double Stator Induction Machine DTC-SVM Control	https://library.crti.dz/jr2086 ¹⁵
A Comparative Study between Two Stator Current HHT and FFT Techniques for IM Broken Bar Fault Diagnosis	https://ieeexplore.ieee.org/abstract/document/8966812/ ¹⁶
A Comparative Study on Some Fault Diagnosis Techniques in Three-Phase Inverter Fed Induction Motors	https://books.google.com/books?hl=fr&lr=&id=mVMRDwAAQBAJ&oi=fnd&pg=PA77&dq=A+Comparative+Study+on+Some+Fault+Diagnosis+Techniques+in+Three-Phase+Inverter+Fed+Induction+Motors&ots=hUU0byopKA&sig=6p9Q7XvHtBjR1A5N-QU6oQgM1Z0 ¹⁷
Detection of a two-level inverter open-circuit fault using the discrete wavelet transforms technique	https://ieeexplore.ieee.org/abstract/document/8352206/ ¹⁸
On the use of high-resolution time-frequency distribution based on a polynomial compact support kernel for fault detection in a two-level inverter	https://pp.bme.hu/eecs/article/view/15469 ¹⁹
Diagnosis of Three-Phase Two-Level Voltage Inverter Under Open-Circuit Fault of an IGBT	https://link.springer.com/chapter/10.1007/978-3-030-92038-8_67 ²⁰
Diagnosis of an inverter by Clark transform technique based on neural network	https://ieeexplore.ieee.org/abstract/document/8751940/ ²¹
Review on external and internal faults of an association inverter-motor and their impact on the motor operation	https://ieeexplore.ieee.org/abstract/document/8066188/ ²²
Diagnosis Method for GTO Open Switch Fault Applied to Reconfigurable Three-Level 48-Pulse STATCOM	http://advances.vsb.cz/index.php/AEEE/article/view/3192 ²³
Fault Tolerant Control of Switch Power Converter in WECS Based on a DFIG	https://link.springer.com/chapter/10.1007/978-981-13-1945-7_15 ²⁴

Experimental Study of Inverter Open-Circuit Fault Diagnosis using Stator Current Spectrogram	https://www.academia.edu/download/58580078/ACECS-11.pdf ²⁵
A proposed voltage technique for inverter open fault-circuit detection based on SVM strategy	https://ieeexplore.ieee.org/abstract/document/8289100 ²⁶
An Open-Circuit Faults Diagnosis Approach for Three-Phase Inverters Based on an Improved Variational Mode Decomposition, Correlation Coefficients, and Statistical Indicators	https://ieeexplore.ieee.org/abstract/document/9750392 ²⁷
Induction Motor Diagnosis with Broken Rotor Bar Faults Using DWT Technique	https://ieeexplore.ieee.org/abstract/document/9514085 ²⁸
Machine-Learning-Based Diagnosis of an Inverter-Fed Induction Motor	https://ieeexplore.ieee.org/abstract/document/9757372 ²⁹
Publications of professor CHERIF Bilal Djamel Eddine	http://dspace.univ-msila.dz:8080/xmlui/bitstream/handle/123456789/28061/Cherif%20Bilal%20Djamel%20Eddine.pdf?sequence=1&isAllowed=y ³⁰
Vibration Signal Analysis for Bearing Fault Diagnostic of Asynchronous Motor using HT-DWT Technique	https://ieeexplore.ieee.org/abstract/document/8966801 ³¹
Three-phase inverters open-circuit faults diagnosis using an enhanced variational mode decomposition, wavelet packet analysis, and scalar indicators	https://link.springer.com/article/10.1007/s00202-022-01633-1 ³²
A NOVEL, MACHINE LEARNING-BASED FEATURE EXTRACTION METHOD FOR DETECTING AND LOCALIZING BEARING COMPONENT DEFECTS	https://metrology.wat.edu.pl/earlyaccess/29/2/MMS-01263-2021-02-Early-Access.pdf ³³
Professor's scientific research: CHERIF Bilal Djamel Eddine	http://dspace.univ-msila.dz:8080/xmlui/bitstream/handle/123456789/32533/Bilal%20Djamel%20Eddine%20CHERIF.pdf?sequence=1&isAllowed=y ³⁴
The Scientific Research of: Bilal Djamel Eddine CHERIF	http://dspace.univ-msila.dz:8080/xmlui/bitstream/handle/123456789/30087/Bilal%20Djamel%20Eddine%20CHERIF.pdf?sequence=1&isAllowed=y ³⁵
les travaux scientifique de Bilal Djamel Eddine CHERIF	http://dspace.univ-msila.dz:8080/xmlui/bitstream/handle/123456789/28584/Bilal%20Djamel%20Eddine%20CHERIF.pdf?sequence=1&isAllowed=y ³⁶
Diagnosis of an Inverter IGBT Open-circuit Fault by Hilbert-Huang Transform Application Diagnosis of an Inverter IGBT Open-circuit Fault by Hilbert-Huang Transform Application	https://www.iieta.org/journals/ts/paper/10.18280/ts.360201 ³⁷

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