

EE Publication List 2017-2018

No.	Article Title	Authors	Journal Title	Date
1.	Fault Diagnostics of Synchronous Motor Based on Analysis of Acoustic Signals with the use of HAAR Wavelet Transform and Nearest Mean Classifier	Adam Glowacz , Zygfryd Glowacz , Miroslav Gutten , Daniel Korenciak , Z. Faizal Khan , Muhammad Irfan , Hui Liu , Eleonora Carletti , Anamika Yadav , Frantisek	Journal of Modern Engineering	2018
2.	A Novel Non-Intrusive Method to Diagnose Bearings Surface Roughness Faults in Induction Motors	Muhammad Irfan	Journal of Failure Analysis and Prevention	2018
3.	Improving UWB Microstrip Antenna using Corrugated Compact Design for Wireless Communication Systems	A. R. H. Alhawari	Journal of Telecommunication, Electronic and Computer Engineering	2017
4.	Design and Development of Electronic Cooling and Heating Pad for Hot and Cold Therapy	A. R. H. Alhawari, A. F. Alshehri, M. A. Alwadi, F. A. Blih, A. H. M. Almawgani and A. S. Alwadie	ARPN Journal of Engineering and Applied Sciences	2017
5.	An Intelligent Automated Method to Diagnose and Segregate Induction Motor Faults	Muhammad Aman Sheikh, Nursyarizal Mohd Nor, Taib Ibrahim, Sheikh Tahir Bakhsh, M. Irfan, Nordin B Saad	J. Electrical Systems	2017
6.	Analysis of distributed faults in inner and outer race of bearing via Park vector analysis method	M. Irfan, Saad, N., Ibrahim, R., V. S. Asirvadam, A. Alwadie	Neural Comput & Applic	2017
7.	Fault Diagnosis of Three Phase Induction Motor using Current Signal, MSAF-Ratio <sup>15</sup> and Selected Classifiers	A. Glowacz, W. Glowacz, Z. Glowacz, J. Kozik, M. Gutten, D. Korenciak, Z. F. Khan , M. Irfan and E. Carletti	Archives of Metallurgy and Materials	2017

8.	An Outage Probability in Cooperative MIMO under (Alamouti, Orthogonal and Quasi Orthogonal STBC) Slow Fading Channel	A.H.M. Alkawgani, M. Alsamawi, W.H. Al-Arashi	Wireless Personal Communication	2017
9.	Optimal Sizing and Location of the Capacitor Banks in a Radial Industrial Distribution System	Ali K. Dalabeeh, Abdallah Al-Ziod, Ayman Hindi, Ibrahim Al-Udwan, M. Al-Khawaldeh, Anwar AL-Mofleh	Energy and Power	2016
10.	Reconfigurable Bandwidth and Tunable Dual-Band Bandpass Filter Design for Ultra-Wideband (UWB) Applications	Mushtaq A. Alqaisy, C. Chakrabraty, J. Ali, A. R. H. Alhawari & Tale Saeidi	Electromagnetics	2016
11.	Reconfigurable Bandwidth and Tunable Dual-Band Bandpass Filter Design for Ultra-Wideband (UWB) Applications	M. A. Alqaisy, C. Chakrabraty, J. Ali, A. R. H. Alhawari, and T. Saeidi	Electromagnetics	2016
12.	Modeling femtosecond pulses in optical power splitter using time domain techniques	M. S. Akond, A. AlWadie, H. M. Masoudi	Opt Quant Electron	2016
13.	An Outage Probability in Cooperative MIMO under (Alamouti, Orthogonal and Quasi Orthogonal STBC) Slow Fading Channel	A.H.M. Alkawgani, M. Alsamawi, W.H. Al-Arashi	Wireless Personal Communication	2016
14.	An Outage Probability in Cooperative MIMO Under Slow Fading Channel	M Alsamawi, A.H.M. Alkawgani, WH Al-Arashi	Journal of Science and Technology	2016
15.	Investigation of Earth Fault Characteristics Under Different Neutral Grounding Methods	A Elmitwally, A Eladl, J Morrow	IET Generation, Transmission & Distribution	2016

16.	Long-term economic model for allocation of FACTS devices in restructured power systems integrating wind generation	A Elmitwally, A Eladl, J Morrow	IET Generation, Transmission & Distribution	2016
17.	Algorithm for Transmission Loss Allocation in Market-Based Power Systems with Wind Generation	A Elmitwally, E Gouda, S Eladawy	International Journal of Electrical Power & Energy Systems	2016
18.	Restoring recloser-fuse coordination by optimal fault current limiters planning in DG-integrated distribution systems	A Elmitwally, E Gouda, S Eladawy	International Journal of Electrical Power & Energy Systems	2016
19.	Planning of multi-type FACTS devices in restructured power systems with wind generation	A Elmitwally, A Eladl	International Journal of Electrical Power & Energy Systems	2016
20.	Optimal Application of Fault Current Limiters for Assuring Overcurrent Relays Coordination with Distributed Generations	A Elmitwally, E Gouda, S Eladawy	Arabian Journal for Science and Engineering	2016
<b>Book Chapter</b>				
1.	Condition Monitoring and Faults Diagnosis of Induction Motors: Electrical Signature Analysis	Nordin Saad, Muhammad Irfan, Rosdiazli Ibrahim	CRC Press & Routledge – Taylor & Francis Group	2018
2.	An Assessment on the Non-Invasive Methods for Condition Monitoring of Induction Motors	Muhammad Irfan, Nordin Saad, Rosdiazli Ibrahim, Vijanth S. Asirvadam, Abdullah S. Alwadie and Muhammad Aman Sheikh	Fault Diagnosis and Detection, book edited by Mustafa Demetgul and Muhammet Unal	2017
3.	Noninvasive Methods for Condition Monitoring and	Muhammad Aman Sheikh, Nursyarizal Mohd Nor, Taib Ibrahim, Sheikh Tahir	Fault Diagnosis and Detection, book edited by	2017

	Electrical Fault Diagnosis of Induction Motors	Bakhsh, Muhammad Irfan and Hanita Binti Daud	Mustafa Demetgul and Muhammet Unal	
<b>Conferences</b>				
1.	Generation of Electricity Using Renewable Energy Resources	Saifur Rahman, Alwadie A. and Faizan A. Khan	International Conference on Renewable Energies and Power Quality (ICREPQ'17) Malaga, Spain	2017
2.	A Hardware and Software Integration Approach for Development of a Non-invasive Condition Monitoring Systems for Motor-Coupled Gears Faults Diagnosis	Muhammad Irfan, Nordin Saad Rosdiazli Ibrahim, Vijanth S. Asirvadam, Nursyarizal Mohd Nor, Abdullah Alwadie, Muhammad Aman Sheikh	In the proceeding of AsiaSim 2017. Communications in Computer and Information Science, vol 751. Springer, Singapore.	2017
3.	ANN-Based Scheme for Protection of a Radial Distribution Network with Distributed Generation	A. Elmitwally and A. Alwadie	International Conference on Renewable Energies and Power Quality (ICREPQ'16) Madrid, Spain	2016
4.	Triple Band Modified 90 Degree Koch Fractal H-Slot Microstrip Antenna	T. Saeidi, I. Bin Ismail, V. Saleh, and A. R. H. Alhawari	International Conference on Intelligent and Advanced Systems, ICIAS 2016, Kuala Lumpur, Malaysia	2016
5.	High Gain Dual-Band Couple Feed Transparent THz Antenna for Satellite Communications	T. Saeidi, I. Ismail, A. R. H. Alhawari, A. Sali, and A. Ismail	IEEE Asia-Pacific Conference on Applied Electromagnetics,	2016

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