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ACADEMIC QUALIFICATIONS:

1. Bachelor of Engineering (Hons) Electrical, Electronic and System, Universiti Kebangsaan Malaysia, 2000.
2. Master Science in Electrical, Universiti Teknologi MARA, Malaysia, 2005.
3. PhD in Electrical Engineering, Universiti Kebangsaan Malaysia, 2011.
4. Certificate of Usuluddin (Modul 1), Universiti Malaya, 2005

PROFESSIONAL QUALIFICATIONS:

1. Professional Engineer with Practicing Certificate, 2016
2. ASEAN Chartered Engineer, 2024
3. BEM Professional Assessment Examination (PAE) examiner, 2025-2030

WORKING EXPERIENCE

1. Contract Lecturer, (2001-2005) University of Technology MARA (UiTM), University of Technology MARA (UiTM), Shah Alam
2. Lecturer. (2005-2011) University of Technology MARA (UiTM), Dungun
3. Senior Lecturer , (2011-2016) University of Technology MARA (UiTM), Shah Alam
4. Assoc. Professor , (2016-2022) University of Technology MARA (UiTM), Shah Alam
5. Professor VK7 (2022-2025) University of Technology MARA (UiTM), Kampus Dengkil
6. Professor VK7 (2025-2current) University of Technology MARA (UiTM), Shah Alam

MANAGERIAL POST

1. Programme Coordinator EE221 (August 2011-December 2011)
2. Head of Centre For Power Engineering Studies (January 2012- December 2017)
3. Chair of Accreditation Preparation Committee For Bachelor Engineering (Hons) of Electrical Engineering, 2012-2017
4. Chair of Professional Engineer Committee for Faculty of Electrical Engineering, 2015-2017
5. Coordinator of CDIO program for Faculty
6. Director (Advanced Computing & Communication), Pejabat Komuniti Penyelidikan (CoRe) (February 2018-September 2019)
7. Deputy Dean of Academic Affair for Faculty of Electrical Engineering (October 2019-March 2021)
8. Acting Dean (January 2021-March 2021)
9. Head of School of Electrical Engineering (March 2021-September 2022)
10. Director, Center of Foundation Studies, UiTM (October 2022-April 2025)
11. Dean of Faculty of Electrical Engineering (May 2025-Current)

INTERNATIONAL MEMBERSHIP:

- Power and Energy Society (PES), Institute of Electronics and Electrical Engineers, (IEEE), Malaysia Section.

PROJECT INVOLVEMENT

1. Monitoring and recommendation for Power Quality Improvement at Masjid Wilayah -2001
2. Monitoring and recommendation for Power Quality Improvement at Ingress Factory -2003
3. Optimal Capacitor Placement and Sizing with Autotransformer for Energy Saving Sultan Salehuddin Building in Shah Alam- 2011-2013
4. DC Lightning Protection Test- Transient Resources Sdn Bhd, 2012
5. Member of Power Quality group for Power quality investigation at Istana Budaya-2015
6. Member of Power Quality group for Power quality investigation at Kementerian Kesihatan Malaysia -2015
7. Technical Advisor Power Quality Incentive for Malaysia Productivity Corporation (MPC)-2016
8. Technical expert Power Lightning Issue at UiTM Kampung Gajah-2018
9. Trainer for Polytechnic Staff Training in Power System-2018
10. Expert Advisor on Technical Assessment for Lightning Problem at Petronas Pump Station Tronoh-2019
11. Head of Engineering Working Group on Current Leakage Issue at TLDM Naval-2020-2021

POSTGRADUATE SUPERVISIONS

Graduated

PhD

1. Mohamad Shukri Hapeez,(Title of project,” A new approach of wavelet De-Noising on various types of acoustic emission partial discharges signals”)-Graduated 2015
2. Ali Misreb(Title of Project” Formant Characteristic of Arabic Letter)-Graduated 2015
3. Nur Azzmuddin Bin Rahmat, (Title of Project” “Differential Evolution Immunized Ant Colony Optimization Technique (DEIANT) in solving economic dispatch by considering prohibited operating zones”)- Graduated 2016
4. Nor Zulaily Binti Mohamad (Title of project,” The use of S-transform for Power Swing Detection”)-Graduated 2017
5. Mohd Abdul Talib Abdul Bin Mat Yusoh,”(Title Project” Identification Of High Neutral To Earth Voltage (NTEV) Source At The Commercial Building,”)-Graduated 2019
6. Mohd Kamarul Azhar (Title of Project” Power Quality Diagnosis Technique using Continuous S-Transform (CST) based Analysis of Variance (ANOVA) and Multiphase V-Detector Algorithm)-Graduated 2019

M.Sc

1. Nor Fadilah Jamaludin (Title of project,” The Mitigation And Source Identification Of Fast-Varying Flicker”, Graduated, 2014
2. Saidatul Habsah Binti Asman (Title of project,”Time-Frequency Analysis with Minimized Border Distortion Effect of Power Disturbance”), Graduated 2019
3. Yusnida Mohd Yusof, (“Dielectric And Physical Study Of The Petroleum (Mineral Oil) Mixed with Refined, Bleached and Deodorized Palm Oil (RBDPO) as Potential Alternative for Transformers Oil”), Graduated 2021
4. Azmi Murad B Abd Aziz @ Juned (Title of project,” Condition And Risk Assessment Of Power Transformer By Health Index Calculation Using Artificial Neural Network For Oil & Gas Industry”, - year of registration-Graduated 2024 (Co-SV)

On-Going

PhD

1. Norhasniza bt Md Razali(Title of the project,” State of Charge Estimation for Electric Vehicle’s), year of registration-2019 (Co-SV)
2. Mohd Saiful Najib Ismail @ Marzuki (Title of project,” The classification of mulclass disturbance based on windowing S-Transform”), year of registration-2019
3. Abdul Malek Bin Saidina Omar(Title of the project” New Unified Features Formulation With Hybrid Deep Neural Network For Transmission Line Fault Classification And Location Estimation”)-year registration-2019 (Co-SV)
4. Hasrul Hafiz Bin Abu Bakar (“The Development Of Four-Wire Impedance Based Fault Location By Considering The Load Profiling Change”)- year of registration-2019
5. Kharismi Bin Burhanudin(“Estimating The Level Of Geomagnetic Induced Current (GIC) At Malaysian Bulk Power System Based On Space Weather Perturbation Impact Current (GIC) At Malaysian Bulk Power System”)- year of registration-2019 (Co-SV)
6. Mohd Ezwan Bin Mahadan(“Identification of Elevated Neutral-To-Ground Voltage (NtgV) In Educational Building”), year of registration-2021
7. Nur Fadhilah Binti Jamaludin (Tap Changers on LV Network to Optimise PV Capacity Injecting into The Network), year of registration-2021 (Co-SV)
8. Yusnida Binti Mohd Yusof, “Fault Pattern Identification Study Using Discrete Fourier Transform And Wavelet Analysis For Transformers Substation Failure”-2022
9. Nooradzianie Binti Muhammad Zin, Fault-Tolerant Capability Of Dual-“Three Phase Induction Machine With Rotor Earth Fault Protection”-2022

NATIONAL CONTRIBUTIONS:

1. Panel of interviewer for Malaysian Government Scholarship for Polytechnic and Community College Lecturer, 2016
2. Consultant for Malaysian Production Corporation for Power Quality Equipment Incentive under Acceleration Capital Allowance (ACA), 2016-2017
3. Panel of Engineering Accreditation Council (EAC) for Bachelor of Engineering with Honours (Electronic Engineering) Universiti Sains Islam Malaysia (USIM), 2017
4. Head of Panel Engineering Technologist Accreditation Council (ETAC) for Diploma Kejuruteraan Elektronik (Komunikasi) Politeknik Kota Bharu and Politeknik Kuala Terengganu, 2018
5. Panel of Engineering Accreditation Council (EAC) for Bachelor of Engineering with Honours (Electronic Engineering) Universiti Tun Hussein Onn Malaysia (UTHM), 2018
6. Head of Panel Engineering Technologist Accreditation Council (ETAC) for Diploma Kejuruteraan Elektronik (Komunikasi) Politeknik Kota Bharu and Politeknik Kuala Terengganu, 2018
7. Head of Panel Engineering Technologist Accreditation Council (ETAC) for Diploma Kejuruteraan Elektronik (Industri), Kolej Kemahiran Tinggi MARA (KKTm), 2021
8. Head of Panel Engineering Technologist Accreditation Council (ETAC) for Diploma in Electrical and Electronic Engineering, Kolej INTI, Penang, 2021
9. Head of Panel Engineering Accreditation Council (EAC) for Bachelor of Engineering (Electronics-Computer Information) (Honours), IIUM, 2021
10. External Examiner Diploma in Electrical Engineering, Faculty of Electrical Engineering, Universiti Teknikal Melaka
11. External Examiner Bachelor of Electrical Engineering Technology (Sustainable Energy) with Honours, Universiti Kuala Lumpur Kampus Cawangan British Malaysian Institute
12. (UniKL - BMI).
13. External Examiner for Electrical Engineering Program (Bachelor and Diploma), Politeknik Sultan Salahuddin Abdul Aziz Shah
14. External Examiner for Electrical Engineering Program (Diploma in Electrical Engineering and Diploma in Electronic Engineering), Politeknik Kuala Terengganu
15. Academic Advisory Committee Kolej Komuniti Jelebu
16. Expert Panel Engineering Technologist Accreditation Council (ETAC) for Diploma Kejuruteraan Elektronik (Industri), Diploma in Electronic Product Manufacturing Engineering Technology, 2022
17. Panel of Engineering Accreditation Council (EAC) for Bachelor of Electrical and Electronic Engineering with Honours Universiti Tunku Abdul Rahman (UTAR), Sg. Long, 2023
18. Panel of Engineering Technology Accreditation Council (ETAC) for Diploma in Electronics Engineering, 2023, UTM, 2023
19. Member of External Advisor (Academic), Master Science in Energy Management, Unisel, 2023-2025
20. External Examiner Bachelor of Electrical Engineering Technology (Sustainable Energy) with Honours, Universiti Kuala Lumpur Kampus Cawangan British Malaysian Institute
21. External Examiner Bachelor of Electrical Engineering with Honours -Faculty of Electrical and Electronics Engineering Technology, Universiti Malaysia Pahang Al-Sultan Abdullah
22. Head of Panel Engineering Technologist Accreditation Council (ETAC) for Diploma in Mechatronics Engineering, Kolej ViTroX, 2025

INTERNATIONAL CONTRIBUTION:

1. Editors in Chief, Hinweis Science and Engineering.
2. Review Editors for Frontiers in Energy Research
3. Technical Facilitator for Solar Thermal Energy Policy under United Nations Industrial Development Organization-2019
4. Guest Lecturer at Hochschule Hannover, 2017
5. Reveiwer for International Transactions on Electrical Energy Systems-Q1 Journal
6. Reveiwer for Electric Power Systems Research-Q1 Journal
7. Reveiwer for International Transactions on Electrical Energy Systems-Q2 Journal
8. Visiting Lecturer Universitas Negeri Semarang (UNNES)-2020
9. Visiting Lecturer Universitas Negeri Semarang (UNNES)-2021
10. IEEE PES Malaysia Ex COMM, 2021
11. IEEE PES Malaysia Ex COMM, 2022
12. IEEE PES Malaysia Ex COMM, 2024
13. IEEE PES Malaysia Treasurer 2025

SELECTED RESEARCH GRANT

Title : Fault Signature Determination In Integrated Net Energy Metering-Distribution Network (NEM-DN) Based On Neutral-To-Earth (NEV) Profile Using Modified S-Transform (MST)

Grant Type : FRGS

Year Start : 2024-01-01

Cost (RM) : 74200

Title : Mathematical Modeling Of Dynamic Current Rating For Ampacity And Temperature Characterisation For Power Cable In High Voltage Environment

Grant Type: FRGS

Year Start : 2023-03-01

Cost (RM) : 68000

Title : Identification Of Potential Fire Hazard Based On Voltage And Current PROFILE
Grant Type: University Grant

Year Start : 2023-07-15

Cost (RM) : 40000

Title : Real Time Voltage Sag Analysis Based On S-Transform In Labview (International Grant)

Grant Type : National Instruments

Year Start : 2018-06-30

Cost (RM) : 8,129.00

Title : Time-Frequency Analysis With Minimized Border Distortion Effect Of Power Disturbance

Grant Type : FRGS

Year Start : 2016-08-01

Cost (RM) : 91,800.00

Title: Real Time Voltage Sag Source Identification Based on Sliding Windows S-Transform.
Grant Type : ESCIENCE.
Year Start : 2015-05-02
Cost (RM) : 182,000.00

Title : Formant Characteristics of Arabic Letters
Grant Type : FRGS
Year Start : 2012-04-15
Cost (RM) : 80,540.00

Title : Adaptive Power Swing Blocking (Psb) Scheme With Distributed Generation
Grant Type : ERGS.
Year Start : 2012-07-01
Cost (RM) : 50,000.00

Title : Power Swing Identification Schemes For Distance Relays
Grant Type : DANA KECAMERLANGAN (S&T).
Year Start : 2011-08-01
Cost (RM) : 8,000.00

Title : Swing Characteristic On Decentralized Grid
Grant Type : RAGS.
Year Start : 2013-09-15
Cost (RM) : 65,000.00

INVITED SPEAKER/FACILITATOR:

- Power Quality-Instability and Inconsistency- Flexiedge Training PLT
- PSCAD for electrical engineering” – given to technicians and engineers for local company: As speaker
- Mapping Courses to, Knowledge profile, Well Define Engineering Problem and Well Define Engineering Activities, Politeknik Kuala Terengganu
- Bengkel Kerja Penjajaran kepada Dublin Profile Kursus Projek Pelajar Diploma Bidang Kejuruteraan Elektrik Politeknik Malaysia
- Speaker-Seminar IGS Research Skill: “Literature Review”-Participants: Postgraduate Students, 2017
- Speaker-Seminar IGS Research Skill: “Preparing the Proposal”-Participants: Postgraduate Students, 2019
- Speaker-How to Publish in High Impact Journal”-Lecturer from Faculty of Electrical Engineering, 2019
- Speaker- Skill in supervision, Institute of Leadership and Development, 2022
- Speaker- Skill in supervision, Institute of Leadership and Development, 2023
- Keynote Speaker- International Conference on Recent Developments in Electrical and Power Engineering (ICREPE), 2022
- Keynote Speaker- 6th International Conference On Energy Conservation And Efficiency– (ICECE 2023)

NO. OF PUBLICATION SINCE 2010

Journals	43
Conference Proceedings	72
Citation	592
H Index	12

PUBLICATION FOR 2025

Muhammad Zin N., Wan Abdul Munim W.N., Abidin A.F., Che H.S., Mohamad Elias M.F., Baharom R., Post-fault voltage limit assessment for six-phase induction machines: a synchronous and slip frequency approach, (2025) International Journal of Power Electronics and Drive Systems, 16 (1), pp. 162 - 174

PUBLICATION FOR 2024

Mahadan M.E., Abidin A.F., Yusoh M.A.T.M., Mustam M.M., Saleh S.A.M., Hairuddin M.A. Deep Learning Method with Application to Neutral-to-ground Voltage (NTGV) Classification (2024) 2024 IEEE International Conference on Power and Energy, PECon 2024, pp. 205 - 210

Yusoh M.A.T.M., Abidin A.F.B., Ahmattan A.I.A., Investigating the Effect of Electric Vehicle (EV) in the Protection Distribution System (2024) 2024 IEEE 22nd Student Conference on Research and Development, SCORed 2024, pp. 554 - 559

Mahadan, M.E., Abidin, A.F., Yusoh, M.A.T.M., Hairuddin, M.A., Ashar, N.D.K. End-to-end deep learning on classification of neutral-to-ground voltage in secondary distribution systems, (2024) e-Prime - Advances in Electrical Engineering, Electronics and Energy, 10, art. no. 100795, .

Razali, N.M., Mohamad, H., Abidin, A.F., Ali, Z.A Hybrid MVO-BMO Technique For Plug-In Electric Vehicle Charging Optimization (2024) Jurnal Teknologi, 86 (5), pp. 23-34.

Supian, M.F.I.M., Redzuan, S.M., Halim, F.H.A., Aziz, A.M.A., Talib, M.A., Idros, M.F.M., Razak, A.H.A., Halim, A.K., Abidin, A.F., Junid, S.A.M.A., Trends and Future Perspectives of Internet of Things (IoT) in Battery Performance Monitoring: A Bibliometric Study, 2024 IEEE International Conference on Applied Electronics and Engineering, ICAEE 2024, .

Mohamad, N.Z., Rasid, N.S.M., Yusoh, M.A.T.M., Abidin, A.F., Radzi, N.H.M., Salim, N.A. Standalone Dual-Axis Solar Tracker System with Battery Charger and Arduino (2024) 2024 IEEE 4th International Conference in Power Engineering Applications: Powering the Future: Innovations for Sustainable Development, ICPEA 2024, pp. 31-36.

Yusoh, M.A.T.M., Sahari, M.S.I., Abidin, A.F., Mohamad, N.Z., Zakaria, M.I., Kassim, A.H. Classification of Voltage Sag Using Arduino Uno and One Versus One Support Vector Machine (OVO-SVM), (2024) 2024 IEEE 4th International Conference in Power Engineering Applications: Powering the Future: Innovations for Sustainable Development, ICPEA 2024, pp. 134-139.

Mahadan, M.E., Abidin, A.F., Yusoh, M.A.T.M., Ashar, N.D.K., Mustapa, R.F., Hairuddin, M.A., LSTM-based Deep Learning Method for Excessive Neutral-to-ground Voltage (NTGV) Localization in Secondary Distribution Systems, (2024) 2024 IEEE 4th International Conference in Power Engineering Applications: Powering the Future: Innovations for Sustainable Development, ICPEA 2024, pp. 361-366.

Zin, N.M., Munim, W.N.W.A., Abidin, A.F., Che, H.S., Baharom, R., Muhammad, K.S. Modeling and Simulation of Dual Three-Phase Induction Machine using Matlab/Simulink (2024) 2024 IEEE 4th International Conference in Power Engineering Applications: Powering the Future: Innovations for Sustainable Development, ICPEA 2024, pp. 47-52.

PUBLICATION FOR 2023

Yusoh, M.A.T.M., Abidin, A.F., Mohd Basri, N.B.M.B., Mohamad, N.Z., Ali, N.H.N., Aun, C.C. Classification of Faults on the Shipboard Distribution Power System, 2023 IEEE 3rd International Conference in Power Engineering Applications: Shaping Sustainability Through Power Engineering Innovation, ICPEA 2023, pp. 115-120.

Hasan, K., Othman, M.M., Meraj, S.T., Mekhilef, S., Abidin, A.F. Shunt Active Power Filter Based on Savitzky-Golay Filter: Pragmatic Modelling and Performance Validation IEEE Transactions on Power Electronics, pp. 1-12.

Aziz, A.M.A., Talib, M.A., Abidin, A.F., Al Junid, S.A.M. Development of Power Transformer Health Index Assessment Using Feedforward Neural Network (2023) Journal of Advanced Research in Applied Sciences and Engineering Technology,

PUBLICATION FOR 2022

Asman, S.H., Abidin, A.F., Yusoh, M.A.T.M., Subiyanto, S., Identification of transient overvoltage using discrete wavelet transform with minimised border distortion effect and support vector machine, Results in Engineering, 2022, 13, 100311

Abidin, A.F.B., Intelligent Decision Making in Power Quality, 13th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2022, 8, pp. 1159-1161.

Mahadan, M.E., Abidin, A.F., Yusoh, M.A.T.M., Hairuddin, M.A., Modelling Neutral to Ground Voltage (NTGV) on the Educational Building, 2022 IEEE International Conference in Power Engineering Application, ICPEA 2022 - Proceedings, .

Mat Yusoh, M.A.T., Abidin, A.F., Abd Latif Hamidi, F.S., Ayub, M.A.M., Mat Zain, M.Y., Aminudin, N., Performance of Series Active Power Filter (SAPF) Using ANN Controller for Eliminate Disturbance of Voltage Sag 2022 IEEE International Conference in Power Engineering Application, ICPEA 2022 - Proceedings, .

PUBLICATION FOR 2021

Anuwar, F.H., Abidin, A.F., Omar, A.M. Solar irradiance prediction for voltage variance analysis in the GCPV system using LSSVM (2021) ICPEA 2021 - 2021 IEEE International Conference in Power Engineering Application, pp. 132-137.

Ismail Marzuki, M.S.N.B., Abidin, A.F., Jusoh, M.Z., Johari, D., Single and Double PQ Disturbances Classification Based on Stockwell Transform and Support Vector Machine (2021) ICPEA 2021 - 2021 IEEE International Conference in Power Engineering

Talib Mat Yusoh, M.A., Abidin, A.F., Zin, N.M., Hamid, Z.A., Mohammad, N.N., Nik Ali, N.H. Identification of Source Neutral-To-Earth-Voltage (NTEV) Rise in the Commercial Building (2021) ICPEA 2021 - 2021 IEEE International Conference in Power Engineering Application, pp. 40-44.

Razali, N.M., Mohamad, H., Dali, M.N.M., Abidin, A.F., Salim, N.A., Yasin, Z.M. Optimal Charging Schedule of Electric Vehicle Using Evolutionary Programming to Minimise Costs (2021) Journal of Mechanical Engineering, 10 (Special Issue 1), pp. 77-91

PUBLICATION FOR 2020

Omar, A.M.S., Osman, M.K., Ibrahim, M.N., Hussain, Z., Abidin, A.F. Fault classification on transmission line using LSTM network (2020) Indonesian Journal of Electrical Engineering and Computer Science, 20 (1), pp. 231-238.

Mat Yusoh, M.A.T., Abidin, A.F., Mat Yasin, Z. On-Line Classification of Excessive Neutral-to-Earth-Voltage (NTEV) Sources Using LabVIEW Software with Incorporating the Statistical-Based S-Transform and One-Versus-One SVM (OVO-SVM), (2020) Journal of Control, Automation and Electrical Systems

Hussain, M.H., Musirin, I., Rahim, S.R.A., Abidin, A.F. Modified firefly algorithm-artificial neural network based technique for the prediction of time-current characteristic in directional overcurrent relay (2020) International Journal of Emerging Trends in Engineering Research, 8 (1 1.1 Special Issue), art. no. 27, pp. 170-178.

PUBLICATION FOR 2019

Farooqi, A., Othman, M.M., Abidin, A.F., Sulaiman, S.I., Radzi, M.A.M. Mitigation of power quality problems using series active filter in a microgrid system (2019) International Journal of Power Electronics and Drive Systems, 10 (4), pp. 2245-2253.

Mat Yusoh, M.A.T., Abidin, A.F., Mat Yasin, Z., Sy Yi, S. Identification of the source location Neutral to Earth Voltage (NTEV) rise on the commercial building (2019) Ain Shams Engineering Journal, 10 (2), pp. 389-401.

Arifin, H., Abidin, A.F., Abdul Talib Mat Yusoh, M. Real-Time Classification of Excessive Neutral to Ground Voltage (NTGV) Using Support Vector Machine (SVM) (2019) 2018 IEEE 7th International Conference on Power and Energy, PECon 2018, art. no. 8684180, pp. 236-240.

Daud, K., Abidin, A.F., Ismail, A.P., Hasan, M.D.A., Shafie, M.A., Ismail, A. Evaluating windowing-based continuous S-transform with neural network classifier for detecting and classifying power quality disturbances (2019) Indonesian Journal of Electrical Engineering and Computer Science, 13 (3), pp. 1136-1142.

Mule, G.J.A., Munim, W.N.W.A., Tousizadeh, M., Abidin, A.F. Post-fault tolerant of symmetrical six-phase induction machine under open circuit fault with single and two isolated neutral points using graphical user interface (2019) AIP Conference Proceedings, 2173

Kamaruddin, S., Abidin, A.F., Yusoh, M.A.T.M. Classification neutral to ground (NG) voltage using levenberg-marquardt neural network (LMNN) (2019) Indonesian Journal of Electrical Engineering and Computer Science, 16 (3), pp. 1189-1195.

PUBLICATION FOR 2018

Yusoh, M.A.T.M., Abidin, A.F., Yasin, Z.M., Yalcin, T.

A novel identification of high neutral to earth voltage (NTEV) faults on power distribution systems (2018) International Review of Electrical Engineering, 13 (6), pp. 476-485.

Yusoh, M.A.T.M., Abidin, A.F., Yasin, Z.M., Saaïd, M.F., Asman, S.H.;

The loose termination model for Neutral to Earth Voltage (NTEV) rise in grounding system (2018) ISCAIE 2018 - 2018 IEEE Symposium on Computer Applications and Industrial Electronics, pp. 53-58.

Almisreb, A.A., Md Tahir, N., Abidin, A.F., Md Din, N.

Acoustical comparison between /u/ and /u:/ Arabic vowels for non-native speakers

(2018) Indonesian Journal of Electrical Engineering and Computer Science, 11 (1), pp. 1-8.

Hashim, M.N., Osman, M.K., Ibrahim, M.N., Abidin, A.F., Steady State versus Transient Signal for Fault Location in Transmission Lines, (2018) Journal of Physics: Conference Series, 1019 (1)

Almisreb, A.A., Tahir, N.M., Abidin, A.F., Din, N.M.Noise reduction approach for Arabic phonemes articulated by Malay speakers, (2018) Proceedings - 2018 IEEE 14th International Colloquium on Signal Processing and its Application, CSPA 2018, pp. 267-271.

Hashim, M.N., Osman, M.K., Ibrahim, M.N., Abidin, A.F, Investigation of features extraction condition for impedance-based fault location in transmission lines (2018) Proceedings - 7th IEEE International Conference on Control System, Computing and Engineering, ICCSCE 2017, , pp. 325-330.

Yusoh, M.A.T.M., Asman, S.H., Yasin, Z.M., Abidin, A.F. Classification of the NTEV problems on the commercial building, (2018) Indonesian Journal of Electrical Engineering and Computer Science, 9 (2), pp. 380-386.

Abidin, A.F., Hidayat, M.N., Abdullah, S.A.C., Bakar, H.H.A., The mapping of CDIO skills set with EAC program outcome (PO), (2018) Proceedings of the 2017 IEEE 9th International Conference on Engineering Education, IEEE ICEED 2017, 2018-January, pp. 12-16.

Asman, S.H., Yusoh, M.A.T.M., Abidin, A.F., "The application of s-transform to reduce border distortion effect based on window length", (2018) Indonesian Journal of Electrical Engineering and Computer Science, 9 (1), pp. 177-182.

Yusoh, M.A.T.M., Yalcin, T., Abidin, A.F., Yasin, Z.M., Dahlan, N.Y., Mohammad, H., Zakaria, Z., Classification of the NTEV signal problem via the incorporation of s-transform features and different types of neural network, (2018) Journal of Telecommunication, Electronic and Computer Engineering, 10 (1-13), pp. 55-60.

PUBLICATION FOR 2017

Yusoh, M.A.T.M., Abidin, A.F., Yasin, Z.M., Mat, U. Neutral to earth voltage (NTEV) on the commercial building with considering the low and high frequencies mode of the grounding system, (2017) IEEE Region 10 Annual International Conference, Proceedings/TENCON, 2017, pp. 739-744.

Almisreb, A.A., Abidin, A.F., Tahir, N.M. Noise effects on the recognition rate of Arabic phonemes based on Malay speakers (2017) ISIEA 2014 - 2014 IEEE Symposium on Industrial Electronics and Applications, art. no. 8049861, pp. 1-6.

Daud, K., Abidin, A.F., Ismail, A.P., Voltage sags and transient detection and classification using half/one-cycle windowing techniques based on continuous s-transform with neural network, (2017) AIP Conference Proceedings, 1875,

Asman, S.H., Abidin, A.F., Comparative study of extension mode method in reducing border distortion effect for transient voltage disturbance, (2017) Indonesian Journal of Electrical Engineering and Computer Science, 6 (3), pp. 628-637.

Ghani, M.F.A., Abidin, A.F., Hannon, N.S., Comparison of real time voltage sag detection based on discrete and continuous wavelet transform in LabVIEW, (2017) Proceedings - 2016 IEEE Conference on Systems, Process and Control, ICSPC 2016, art. no. 7920711, pp. 97-101.

Yusoh, M.A.T.M., Abidin, A.F., Yasin, Z.M., Ghani, M.F., Mat, U. Modelling neutral to earth voltage (NTEV) on the commercial building, (2017) Proceedings - 2016 IEEE Conference on Systems, Process and Control, ICSPC 2016, art. no. 7920710, pp. 91-96.

Hashim, M.N., Osman, M.K., Ibrahim, M.N., Abidin, A.F., Mahmud, M.N. Single-ended fault location for transmission lines using traveling wave and multilayer perceptron network, (2017) Proceedings - 6th IEEE International Conference on Control System, Computing and Engineering, ICCSCE 2016, art. no. 7893632, pp. 522-527.

Jamaludin, N.F., Abidin, A.F., Anuar, N., Shamsuddin, S.A. Mitigation of voltage flicker using phase-lock loop (PLL) controller of distribution synchronous static compensator (D-STATCOM), (2017) International Journal of Simulation: Systems, Science and Technology, 17 (41), pp. 41.1-41.6.

PUBLICATION FOR 2016

Almisreb, A.A., Abidin, A.F., Tahir, N.M. Acoustic analysis of Arabic phonemes based-/a/ vowel (2016) Proceeding - 2016 IEEE 12th International Colloquium on Signal Processing and its Applications, CSPA 2016, art. no. 7515846, pp. 280-284.

Almisreb, A.A., Abidin, A.F., Tahir, N.M., Acoustic analysis of Arabic phonemes based-/a:/ vowel (2016) Proceeding - 2016 IEEE 12th International Colloquium on Signal Processing and its Applications, CSPA 2016, art. no. 7515845, pp. 275-279.

Almisreb, A.A., Abidin, A.F., Tahir, N.M. Acoustical comparison between voiced and voiceless Arabic phonemes of Malay speakers, (2016) Proceedings - 5th IEEE International Conference on Control System, Computing and Engineering, ICCSCE 2015, art. no. 7482251, pp. 580-584.

Yusoff, N., Abidin, A.F., Mahadan, M.E., The impact of power swing to the operation of distance relay, (2016) Proceedings - 2015 IEEE International Conference on System Engineering and Technology, ICSET 2015, art. no. 7412442, pp. 39-42.

Almisreb, A.A., Abidin, A.F., Tahir, N.M. Investigation of Dynamic Time Warping and Neural Network for Arabic phonemes recognition based Malay speakers (2016) Proceedings - 2015 IEEE International Conference on System Engineering and Technology, ICSET 2015, art. no. 7412446, pp. 60-65.

Rahmat, N.A., Musirin, I., Abidin, A.F. Solving multi-pollutant emission dispatch problem using computational intelligence technique (2016) Journal of Electrical Systems, 12 (2), pp. 249-257.

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ACADEMIC EVENTS ORGANIZED AND PARTICIPATED:

1. Organizer – Energy Efficiency Seminar – Participants: lecturers and engineer from various company in Malaysia, 2012.
2. Organizer and speaker - CDIO in Malaysia University– Participants: lecturers and engineer from Institution of Higher Learning in Malaysia, 2013
3. Head of Officiating committee for Invention, Innovation & Design Exposition (IIDEX) 2018 and 2019
4. Head of Scientific Committee for Advance Computing and Computation Track, Conference International Conference on Science and Social Research, 2018 and 2019
5. Committee for 2022 IEEE International Conference on Power System Technology (POWERCON 2022)
6. Committee for 2022 IEEE International Conference on Power and Energy (PECon2022)
7. Speaker Bengkel Kerja Penjajaran Kepada Dublin Profile Kursus Projek Pelajar Diploma Bidang Kejuruteraan Elektrik Politeknik Malaysia, Jabatan Politeknik dan Kolej Komuniti. September 2021
8. Speaker on Webinar: Introduction of Dublin Profile Based On ETAC Standard 2020, Oktober 2021

AWARDS/RECOGNITIONS

1. Excellence Service Award 2011, Universiti Teknologi Mara.
2. Congratulation Letter: for the PhD Award.
3. Anugerah Penyelidik Harapan UiTM, 2016
4. Anugerah Jaringan Alumni FKE, 2017

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