

PROFILE OF ENGR. PROFESSOR ISIAIAH ADEDIJI ADEJUMOBI

i. Brief Biography

Professor Isaiiah Adediji ADEJUMOBI obtained Bachelor of Engineering (Electrical Engineering) from University of Ilorin, Nigeria in 1987 where he graduated with Second Class Honour (Upper Division). Professor Adejumobi was offered appointment as a Graduate Assistant in the Department of Electrical Engineering, University of Ilorin on August 1, 1990. The appointment gave him the opportunity to pursue a career in the academic. He obtained his Master of Engineering (M.Eng) and PhD in Electrical Engineering in 1992 and 2003, respectively, also from University of Ilorin.

Having served for about fifteen (15) years at the University of Ilorin, Professor Adejumobi on appointment as a Senior Lecturer and transferred his service to Federal University of Agriculture, Abeokuta, on March 28, 2006 in the Department of Electrical and Electronics Engineering. He rose through the rank to become a Professor in October 1, 2015.

As a Professor of power system engineering, his research focus is on electric power distribution system management, modelling and efficiency most especially as it affects the economy, industrial and end users of electricity; with further consideration to electric energy production and supply with minimum losses.

As a Lecturer and Researcher, Professor Adejumobi has supervised students' projects both at Undergraduate and Postgraduate levels. His research works were published in reputable local and international Journals

Since assumed duty in the Federal University of Agriculture, Abeokuta, Professor Adejumobi has served in various capacities. Few of which are:

- 1) Acting Head of Department of Electrical and Electronics Engineering, Federal University of Agriculture from June 2006 to 2008, and 2008 to 2011
- 2) Substantial Head of Department from August 1, 2017 to July 31, 2020.
- 3) Departmental Postgraduate Coordinator, Department of Electrical and Electronics Engineering, from June 2006 to August 2017.
- 4) Member, Assessment and Promotions Review Panel, Colleges in the University.

Outside the University, Professor Adejumobi has also served as Member, Review Panel on Environmental Impact Assessment of some National Integrated Power Project (NIPP) and Telecommunication Projects in Nigeria.

ii. Passport-sized Photograph



iii. Personal Information: Prof. Adejumobi Isaiiah Adejumobi

iv. Department: Electrical and Electronics Engineering

v. **Email address:** engradejumobi@yahoo.com ; adejumobiia@funaab.edu.ng

vi. **Phone Number:** +2347033215455

vii. **Rank:** Professor

viii. **Designation:** Lecturer

ix. **Research gate address:** www.researchgate.net/profile/Isaiah-Adejumobi

x. **LinkedIn address** : [linkedin.com/Adejumobi-isaiah](https://www.linkedin.com/Adejumobi-isaiah)

xi. **Google Scholar Profile:**

https://scholar.google.com/citations?view_op=new_articles&hl=en&imq=Adejumobi++Isaiah+Adediji#

xii. **ORCID Number:** 0000-0002-4587-6239

xiii. **QUALIFICATION:** B.Eng , M.Eng, Ph.D (Unilorin)

xiv. **Membership of professional Bodies:**

1. Member, International Research and Development Institute (Membership No. 14011701)
2. Member, Association of Members of International Network for Small Hydro Power (INSHP/NIG/M/165)
3. Corporate Member, Nigerian Society of Engineers (Reg. No. 06147)

xv. **Award Received:**

xvi. **Research Conducted:**

1. Power System Security Analysis using Contingencies.
2. Development of Forecasting Models and Diagnostic tools for Energy Forecast in Generations and Distribution systems.
3. Development and Application of SCADA system to Power System Security and Control.
4. Development of Hybrid Solar-Wind Power generating system
5. Fault Analysis and Reliability Assessment on Power Distribution System.
6. Developments of Stand-alone Small Hydro Power Schemes for Rural Communities with respect to farmers in off Grid areas.
7. Development of an Information Exchange Platform for Deregulated Electricity Market in Nigeria.
8. Demand Side Management of Power Distribution

xvii. **Conference Attended:**

1. 18th International Conference and Exhibition on Power and Telecommunication of Professionalism and Standardization, IEEE, Nigeria 2022
2. Second Federal University of Agriculture, Abeokuta College of Engineering International Conference: A Driving Force for Sustainable Development. May 14th – 17th, 2018.
3. International Conference on SET: A Driving Force for Sustainable Development,
4. College of Engineering, Federal University of Agriculture, Abeokuta, Nigeria. 7th -11th, 2016.
5. First International Conference on Scientific and Cultural Innovations, University of Abuja, Nigeria, 9th – 12th February, 2015. Paper Read: Key Issues in Energy Distribution for Improved Power Delivery.
6. Second International Conference on Computing, Energy, Networking, Robotics and Telecommunications, Covenant University, Nigeria, 21st -23rd November, 2012.

7. Fourth International Conference on Engineering Research and Development (ICERD2012), University of Benin, Nigeria, 4th-6th September 2012.
8. Top Group Research Conference on Summounting the Challenges against Millennium Development Goals, held at Village De Benin, University Du Lome, Togo, 7th -10th September, 2011.
9. First International Conference on Science, Engineering and Technology for Enhanced National Production and Development: Going beyond Theories, Osun State University Osogbo, Nigeria, 15th - 18th March, 2011.
10. Third International Conference on Engineering Research and Development, University of Benin, Nigeria, 7th-9th September, 2010.
11. 19th COREN Engineering Assembly on Engineering Education and Training-Key to Infrastructural Development, 3rd-4th August, 2010.
12. 18th COREN Engineering Assembly on Engineering Education and Training-Key to Infrastructural Development, 11th-12th August, 2009.
13. 17th COREN Engineering Assembly on value for Money in Engineering Projects: the role of Engineering Regulation, at international Conference Centre Abuja, 23rd-24th September, 2008.
14. Second International Conference on Engineering Research and Development, University of Benin, Nigeria, 15th-17th April, 2008.

xviii. Few of recent Publications:

1. Adebisi O.I., Adejumobi A.I., Okoye F.E. and Jokojeje R.A. (2018): Application of Least Square Regression Method for Load Management in Electricity Distribution Network: A Case Study of FUNAAB 33 kV, Feeder, Federal University Lafia Journal of Science and Technology, Lafia, Vol. 4 (Special Edition), pp. 87 – 93.
2. Adebisi O.I., Adejumobi I.A., Olanipekun A.J. and Bello O.H. (2018): Development of a Fuel Level Measuring System for Underground Liquid Tanks, Federal University Lafia Journal of Science and Technology, Lafia, Vol. 4 (Special Edition), pp. 94 – 101.
3. Adebisi, O.I., Adejumobi, I.A., Ogunbowale, P.E. and Ade-Ikuesan, O.O. (2018): Application of Static Var Compensator for Voltage Stability Enhancement and Power Loss Reduction in Power System Networks, LAUTECH Journal of Engineering and Technology, 11(2):46 – 58.
4. Adebisi, O.I., Adejumobi, I.A., Ogunbowale, P.E. and Ade-Ikuesan, O.O. (2018): Performance Improvement of Power System Networks Using Flexible Alternating Current Transmission Systems Devices: The Nigerian 330 kV Electricity Grid as a Case Study, LAUTECH Journal of Engineering and Technology, 12 (2): 46 – 55.
5. Adebisi O.I. and Adejumobi I.A. (2019): Development of a Web Service Based Information Exchange Platform for the Nigerian Deregulated Electricity Market. *IEEE PES/IAS ieeexplore* pp.635–640. <https://ieeexplore.ieee.org/document/8928847>
6. Adebisi O.I. and Adejumobi I.A. (2019): Development of a Load Management Scheme for the Nigerian Deregulated Electricity Market Using Regression Model. *IEEE PES/IAS ieeexplore*. pp. 641 – 646. <https://ieeexplore.ieee.org/document/8928928>
7. Adejumobi I.A. and Adeoti J.A (2019): Efficient Utilization of Industrial Power: Demand Side Management Approach. *IEEE PES/IAS ieeexplore*. pp. 677 – 681. Available at: <https://ieeexplore.ieee.org/document/8928847>
8. Ogundare A.B . and Adejumobi I.A. (2019): Transmission Expansion Planning Using Power Transfer Distribution Factor Index. *IEEE PES/IAS ieeexplore*. pp. 6 – 11. Available at: <https://ieeexplore.ieee.org/document/89289237>

9. Adebisi,O.I., Adejumobi, I.A., and Akinwale A.T (2020): Development of Web-based Information Exchange Platform for Enhancing Distribution Utility-Consumer Communication in the Nigerian Deregulated electricity Market. Premier Journal of Engineering, and applied Science. The Nigerian Society of Engineer, Ibadan branch, 1(2):34-49
10. Adebisi,O.I., Adejumobi, I.A., and Akinwale A.T (2020): Development of Web-based Information Exchange Platform for Enhancing Distribution Utility-Consumer Communication in the Nigerian Deregulated electricity Market. Premier Journal of Engineering, and applied Science. The Nigerian Society of Engineer, Ibadan branch, 1 (2)34-49
11. Ojesanmi, O.A., Lawal, O.A., Ibharalu, F.T.,Adejumobi, I.A. (2021): The Performance Evaluation of Adaptive Guard Chanel Scheme in Wireless Network, Nigeria. Nigeria Journal of Technology, 40 (1): 109-114
12. Ogundare, A.B., Adejumobi,I.A. and Oludare N.A. (2022): Power Transfer Distribution Factor for Transmission Expansion Planning with Consideration Load Growth UNIOSUN Journal of Engineering and Environmental Sciences, 4(1):131-138
13. Oyetunji I.O., Amusa K.A., Adejumobi I.A., Mustapha A.O. (2022). Performance evaluation of selected adaptive filters for acoustic echo cancelation over voice over IP. *FUOYE Journal of Engineering and Technology*, Published by Federal University of Technology, Oye-Ekiti, 7(3):328-333. <https://doi.org/10.46792/fuoyejet.v7i3.897>
14. Amusa K.A., Idowu O.A., Adejumobi I.A., Adebayo G.A. (2022). Tri-modal techniques for medical images enhancement. *International Journal of Advances in Applied Sciences (IJAAS)*. Published by Institute of Advanced Engineering and Science (IAES), 11(3):110-122. Indonesia. <https://doi.org/10.11591/ijaas.v11.i3.pp110-122>
15. Olanipekun, A.J., Adejumobi, I.A., Ismaila, S.O, and Akinwale A.T. (2022): Characteristic behavior of Induction Machine used for Electricity Generations. Proceeding of the 18th International Conference and Exhibition on Power and Telecommunication of Professionalism and Standardization, 107-115
16. Ogunyemi J, Adejumobi I.A., and Adebisi O.I.(2022) Power Quality Standardization and Codes in Developing Countries: Issues and Solutions, Proceeding of the 18th International Conference and Exhibition on Power and Telecommunication of Professionalism and Standardization, 116-128
17. Solanke A.R., Adejumobi I.A., Amusa K.A., Adebayo G.A., and Matthew, S. (2022): Transient Characteristics Behaviour of Distributed Generation System. Proceeding of the 18th International Conference and Exhibition on Power and Telecommunication of Professionalism and Standardization, 138-145
18. Adebisi, O.I. Adejumobi, I. A., Durodola, F.O. and Jim, H.A. (2023): Development of Microcontroller based automobile speed limiting device and alarm control system. International Journal of Electrical and Computer Engineering (IJECE), 13 (1): 6785-6795. <http://ijece.iaescore.com>
19. Adebisi, O.I. Adejumobi, I. A., Matthew, S. and Abdulsalam (2023): Development of a web-based single-phase load monitoring and auditing system International Journal of Electrical and Computer Engineering (IJECE) 12 (6):195-206. <http://ijece.iaescore.com>
20. Adedokun,J.L; Adejumobi. I.A., Adebisi, O.I and Olajuwon B.I.(2023): Frequency and Voltage Responses of Gas-Fired Distributed Generation System to Load Changes under Stand-Alone and Grid-Connected modes. LAUTECH Journal of Engineering and Technology. 17(1):83-93
21. Fehintola.O.T., Adejumobi I.A., Amusa K.A and Olajuwon, B.I.(2023): Optimal placement of Unified Power Flow Controller on Power System for Voltage Stability Enhancement. LAUTECH Journal of Engineering and Technology. 17(1):96-103