

	Engr Dr Tolulope Christiana ERINOSHO
---	---

EDUCATION

Degree	Discipline	Institution	Year
Ph.D.	Electrical and Electronics Engineering (Communications and Digital Signal Processing)	Federal University of Agriculture, Abeokuta, Nigeria	2023
M.Sc.	Electrical and Electronics Engineering (Communications Option)	University of Lagos, Akoka, Nigeria	2016
B.Eng.	Electrical Engineering	Federal University of Agriculture, Abeokuta, Nigeria	2008

ACADEMIC EXPERIENCE

From – To	Institution	Rank/Title	Status of Appointment (Full Time/Part Time)
Oct. 1, 2025 - Date	Federal University of Agriculture, Abeokuta, Nigeria	Senior Lecturer	Full Time
Oct. 1, 2022 – Sept 30, 2025	Federal University of Agriculture, Abeokuta, Nigeria	Lecturer I	Full time
Dec. 23, 2019 - Sept. 30, 2022	Federal University of Agriculture, Abeokuta, Nigeria	Lecturer II	Full time
Sept. 16 – Dec. 22, 2019	Federal University of Agriculture, Abeokuta, Nigeria	Assistant Lecturer	Full time
April 2017 – Sept. 15, 2019	DS. Adegbenro ICT Polytechnic, Ewekoro Abeokuta	Lecturer II	Full time

NON-ACADEMIC EXPERIENCE

Employer	Designation	Nature of Duty	Date
Chris Ejik International Agencies Limited	Site Manager (Electrical Works)	Engineering, Procurement and Construction of High Voltage Substations and Transmission Lines	Mar. 2011 – March 2017

MEMBERSHIP OF PROFESSIONAL BODIES

1. Council for the Regulation of Engineering in Nigeria, COREN Reg. No. 28998
2. Fellow, The Nigerian Society of Engineers, NSE Reg. No. 30111
3. Senior Member, Institute of Electrical & Electronics Engineers, IEEE, USA. No. 94724357
4. Member, Society for Women Engineers, USA Reg. No. 2033207
5. Fellow, Nigerian Institute of Electrical & Electronics Engineers, NIEEE. Reg. No. F00301
6. Association of Professional Women Engineers in Nigeria. Reg. No. 1588
7. UKSHE Organization (HSE Level 1,2,3) No. 9018-3042

COMMUNITY SERVICE

1. Board Member, Professional Control and Monitoring, The Nigerian Institute of Electrical and Electronics Engineers (NIEEE). 2026
2. Scholarship Application Reviewer, Society of Women Engineers (SWE), USA. 2025–2026
3. Mentor, SWIS EmpowHer, sponsored by the European Union Global Youth Mobilization, Africa. 2026
4. Board Member (Interview/Certification), Nigerian Electricity Management Services Agency (NEMSA), Ogun State (2022–Date)
5. Member, Young Professionals Committee, IEEE Africa Council (2025)
6. Vice Chairman, Emerging and Embedded Technology, Nigerian Institute of Electrical and Electronics Engineers (NIEEE), Abeokuta Chapter (2024–2026)
7. Chairman, Technical Committee, 2024 APWEN Int’l Conference, Calabar, Nigeria. 2024
8. Secretary, IEEE Young Professionals, Nigeria Section (2024–2025)
9. National Technical Secretary, Association of Professional Women Engineers of Nigeria (APWEN) (2024–2025)
10. National Protocol Officer, Macjob Grammar School Old Students Association (2025–2027)
11. Exam Supervisor, International Youth Math Challenge, Germany (2023–Present)
12. Assistant Technical Secretary, Nigerian Society of Engineers (NSE), Abeokuta Branch (2023–2024)
13. Institutional Advisor, Student Energy Network, FUNAAB Chapter, Nigeria (2022–Date)

SELECTED NATIONAL AND INTERNATIONAL RECOGNITIONS

International

1. *Fall 2022 Techwomen Fellow*, for emerging global leaders held at California/Washington DC USA, fully funded by the United States Department of State’s Bureau of Educational and Cultural Affairs (ECA). 2022
2. Senior Membership Elevation, Institute of Electrical Electronics Engineers, IEEE USA. 2025

National

- a) Presidential Recognition as Developing Engineering Leaders Through Her (DELT-Her) 2.0 Mentors – Office of the Presidential Implementation Committee On Technology Transfer (PICTT). 2026
- b) Presidential Award, Association of Professional Women Engineers of Nigeria. 2025

SELECTED PUBLICATIONS

1. **Erinosho, T. C.**, Amusa, K. A., Abayomi, A., Kazeem, F. O. and Okokpujie, I. P. 2026. Seasonal Autoregressive Integrated Moving Average Model for Prediction of Electrical Energy Demand of a Base Transceiver Station, *Nigerian Journal of Technology*, 45(2):254-266. <https://doi.org/10.4314/njt.v45i2.2>.

2. Emmanuel, A., Amusa, K., **Erinosho, T.**, & Raji, M. 2026. Optimised Canny edge detection algorithm for medical image feature mapping and extraction. *Engineering Applications of Artificial Intelligence*, 167, 113763. <https://doi.org/10.1016/j.engappai.2026.113763>.
3. **Erinosho, T. C.**, Okokpujie, I. P., Amusa, K. A., Kazeem, F. O., Anuoluwapo, O., Jaiyesimi, B. G., and Obamiyi, S. E. (2025). A Compact Microcontroller-Driven Hybrid Solar-Grid Energy Solution in Low-Power Energy Applications. *NIPES JSTR SPECIAL ISSUE*, 7(2), 3889-3894. <https://doi.org/10.37933/nipes/7.4.2025.SI483>.
4. Ilori, A. O., Amusa, K. A., **Erinosho, T. C.**, Imoize, A. L., & Idowu, O. A. (2025). Pathloss Estimation of Digital Terrestrial Television Communication Link Within the UHF Band. *Telecom*, 6(4), 97. <https://doi.org/10.3390/telecom6040097>.
5. Okechukwu, I., Duru, N. N., Oluwatosin, V., **Erinosho, T. C.**, Eyube, M. O., Akomah, U. C., ... & Okibe, G. (2025). Nano-Engineered Organic Solid-Solid Phase Change Materials for High-Efficiency Thermal Energy Storage in Renewable Systems: A Review. *ChemRxiv*. 2025 <https://doi.org/10.1007/s40243-026-00361-x>
6. Okokpujie, I. P., Ma'arof, M. I., **Erinosho, T. C.**, Agubata, F. N., Owodolu, O. E., Uchegbu, I. D., ... & Okokpujie, K. 2025. Modelling and Simulation of Hybrid-Power Generation via Solar and Wind Turbine Using MATLAB/Simulink for Sustainable Energy Development. *NIPES-Journal of Science and Technology Research*, 7(3), 304-318. <https://doi.org/10.37933/nipes/7.3.2025.1622>
7. **Erinosho T.C.**, Amusa, K.A., Abayomi, A.A. and Kazeem, O.F. 2025. Systematic Review on the Energy Forecasting Models for Power and Telecommunication Infrastructures. *International Journal of Engineering Research and Development*, 21(5): 78-93. <https://www.ijerd.com/paper/vol21-issue5/21057893.pdf>.
8. **Erinosho, T. C.**, Amusa, K. A., Nuga, O. O. and Kolawole, S. T. 2025. Development of a Chatbot for Technical Manual Information Retrieval, *Journal of Engineering for Development*, 17(1):41-56. <https://jedev.com.ng/volume-17-issue-1-no-4/>.
9. **Erinosho, T.C.**, Abayomi, A., Abayomi, A., Akinwale, K.A., Olorunnishola, T., Adetiba, E. and Olaitan, O., 2025, November. Development of a Deep-Learning Web-Based Pathogen Diagnosis System for Selected Staple Crops in Africa. In *2025 IEEE Connecting the Unconnected Europe, Middle East, and Africa Regional Summit (CTUS-EMEA)*, 1-7. Published by IEEE. <https://doi.org/10.1109/CTUS-EMEA68989.2025.11592176>
10. Amusa K.A., **Erinosho T.C.**, Adebisi O.I., Alabi A.A., Wale-Orojo O.A. and Sotunde O.A. (2024). Experimental Investigation of Electromagnetic Wave Absorption from Selected Wireless Devices. *International Journal of Allied Research in Engineering and Technology (IJARET)*, 15(4):1-8.
11. **Erinosho, T.C.**, Amusa, K.A., Abayomi, A., Lawal, A. (2025). Development of a Restricted Access and Energy-Efficient IoT-Based Greenhouse System for Tropical Climates. In: Mishra, B.K., Rocha, Á., Mallik, S. (eds) *International Conference on Technology Advances for Green Solutions and Sustainable Development. ICT4GS 2024. Information Systems Engineering and Management*, vol 56. Springer, Cham. https://doi.org/10.1007/978-3-031-94997-5_34
12. **Erinosho, T.C.**, S.A. Adekola and K.A. Amusa (2019). Design of Practical RECTENNAs for RF Energy Harvesting. *PIERS-Spring*, Rome, Italy, 1149-1156. Published by IEEE. <https://doi:10.1109/PIERS-Spring46901.2019.9017285>