*Brief Biography*

Olubusola Olufunke Nuga received the B.Tech. M.Sc. and Ph.D. degrees in Electrical and Electronics Engineering, from Ladoke Akintola University of Technology, Ogbomoso; University of Lagos, Lagos and University of Manchester, Manchester, in 2006, 2010, and 2019, respectively. Her major field of study is Control Systems Engineering. She started her career as academic in 2011 and has since being involved in teaching, research and community service in the areas of her expertise. She has published few papers on Control systems engineering and instrumentation. ‘Busola currently teaches in the department of Electrical and Electronics Engineering, College of Engineering, Federal University of Agriculture, Abeokuta, Nigeria.



1. Name: ` Olubusola Olufunke NUGA
2. Contact Detail: Department of Electrical and Electronic Engineering, College of Engineering, Federal University of Agriculture, Abeokuta, Nigeria
3. Email Addresses: [nugaoo@funaab.edu.ng](mailto:nugaoo@funaab.edu.ng)
4. Present post: Senior Lecturer
5. Google Scholar Profile: [nuga olubusola olufunke - Google Scholar](https://scholar.google.com/scholar?hl=en&as_sdt=0,5&q=nuga+olubusola++olufunke&oq=)

ORCID Number: 0000-0002-2057-2554

Linkedin: [www.linkedin.com/in/olubusola-nuga-93210540](http://www.linkedin.com/in/olubusola-nuga-93210540)

Researchgate [Nuga Olubusola Olufunke (researchgate.net)](https://www.researchgate.net/profile/Nuga-Olubusola-Olufunke)

1. Qualifications with Dates

a) Ph.D Electrical Electronic Engineering, University of Manchester UK.,

b) M.Sc. Electrical Electronics Engineering (Control Engineering)

c) B. Tech Electronic and Electrical Engineering

viii. Membership of Professional Bodies

a) Member, The institution of Engineering and Technology

b) Member, Nigeria Society of Engineering

c) Registered Engineer, COREN

d) Member, Institute of Electrical and Electronic Engineering

ix. Award received

a) National Research Fund (2022) titled ‘Advancing African Giant Rat Olfactory Receptors for Bioelectronic Odour Detection Technology (Bionose) Against Security Threats in Nigeria’. Source of fund National Research Fund

b) Tetfund Academic Staff Training and Development Intervention 2013

x. Publications:

1. Nuga O.O., **Olanipekun A.J.,** Nwaorgu O.G.F., Matthew S., Anyanwu B.U., Amusa K.A. (2023) Ethics: An obligation for Engineering and Scientific Societies. ***International Journal of Basic Science and Technology (IJBST)****,* 9(2):122-117. Published by Faculty of Science, Federal University, Otuoke, Bayelsa State.
2. Olanipekun A.J., Amusa K.A., Nuga O.O., Matthew S., Aikulola B.O. (2021). Bus Pass System Development using Radio Frequency Identification (RFID). *International Journal of Basic Science and Technology (IJBST)*.Published by Faculty of Science, Federal University, Otuoke, Bayelsa State [Letter of Acceptance dated November 15, 2021]
3. Nuga O.O., Olanipekun A.J., Nwaorgu O.G.F., Matthew S., Anyanwu B.U., Amusa K.A. (2022). Ethics: An Obligation for Engineering and Scientific Societies. *International Journal of Basic Science and Technology (IJBST)*.Published by Faculty of Science, Federal University, Otuoke, Bayelsa State [Letter of Acceptance dated November 25, 2021]
4. Olanipekun A.J., Adejumobi I.A., **Nuga O.O.,** Matthew S., Egberinde O.G. (2021). Development of a Demand Side Smart Energy Control Meter. ***Proceedings of the 3rd International Conference on*** ***Engineering Innovations as a Catalyst for Rapid Economic Growth tagged COLENG*** ***2021,*** Ismaila S.O., Dairo O.U., Oyelami A.T. and Omotainse P.O. (Eds). May 24 -26, 2021, pp 264-275. Published by Federal University of Agriculture, Abeokuta, Nigeria.
5. Olanipekun A.J., Amusa K.A., **Nuga O.O.,** Matthew S., Aikulola B.O. (2021)**.** Development of a Radio Frequency Identification (RFID) Bus Pass System. ***Proceedings*** ***of the 3rd International Conference on Engineering Innovations as a Catalyst for*** ***Rapid Economic Growth tagged COLENG 2021,*** Ismaila S.O., Dairo O.U., Oyelami A.T. and Omotainse P.O. (Eds). May 24 -26, 2021, pp 276-285. Published by Federal University of Agriculture, Abeokuta, Nigeria.
6. **Nuga O.O.,** Li Z., Ding Z. (2019). Quantized Conesus of Nonlinear Systems***: Proceedings 15th IEEE International Conference on Control and Automation (ICCA)***, ***Edinburgh, Scotland,*** July 16 -19 2019. Pp1032 – 1037.
7. **Nuga O.O.,** Li Z., Ding Z. (2019). Quantized Consensus of Nonlinear Systems***: Proceedings 15th IEEE International Conference on Control and Automation (ICCA)***, ***Edinburgh, Scotland,*** July 16 -19 2019. Pp1032 – 1037.
8. Obikoya G.D., **Nuga O.O.** (2017). Techniques for Minimizing Uncertainty in Electromagnetic Interference Measured Values: ***IEEE 3rd International conference on Electro-Technology for National Development (NIGERCON)*** Pp233 – 238.
9. Amusa K. A., Olanipekun M. U., **Nuga O. O**. **(2017).** Application of GSM for Home Devices Control. ***International Journal of Computer Applications.*** 167(12):1-8. Published by Foundation of Computer Science, New York. [doi: 10.5120/ijca2017914459](https://www.ijcaonline.org/doi/10.5120/ijca/2016912477)
10. Ofusori T.J., Obikoya G.D., Udoh C.O., **Nuga O.O.,** and Babarinde A.K. (2018). Design and Implementation of a Cost-Effective Real-Time Vehicle Tracking System Using Telit GM862. ***Journal of Engineering and Technology,*** 3 (1) 2579-0617 Published by Federal University Oye-Ekiti Ekiti.
11. Amusa K.A, Opeodu F.A., Adewusi A. **Nuga O.O.,** (2018) Automatic Temperature Control System ***FULafia Journal of Science & Technology***4:17-22 Special Edition,Published by Faculty of Science and Technology, Federal University of Lafia, Nigeria.
12. **Nuga O.O.,** Amusa K.A, Olanipekun A.J. (2017) GSM Based Gas Leakage Security Alert System. ***ABUAD Journal of Engineering Research and Development:*** 1(1) 100-104
13. **Nuga O.O.,** Amusa K.A, Olanipekun A.J., Adewusi A. (2017) Dynamic Behaviour of a modeled Transportation Networked Control System For-T-Junction. ***Journal of Natural Science, Engineering and Technology (****ASSET****)***: 16(1): 70-82.Published Federal University of Agriculture, Abeokuta, Nigeria.
14. Amusa K.A, **Nuga O.O.,** (2016) Modified Modulus Projection Algorithm for Error Control in Redundant Residue Number System Code ***Journal of Natural Science, Engineering and Technology* *(ASSET)*:** 15(1): 1300 - 142. Published by Federal University of Agriculture, Abeokuta, Nigeria.
15. Amusa K.A, **Nuga O.O.,** Adewusi A. Olanipekun A.J. Akinduko O.A. (2015) Two-level Verification Vault Access Control System. ***African Journal of Computing and ICT***: 8(1): 175 – 180 [www.ajocict.net](http://www.ajocict.net)
16. Amusa K.A, Adewusi A. **Nuga O.O.**, Olanipekun A.J. Olukoya O.A. (2015) Pyro-Electric Infrared Sensor-Based Intrusion Detection and Reporting System. ***African Journal of Computing and ICT***: 8(1): 91 – 98 [www.ajocict.net](http://www.ajocict.net)