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AHANEKU, Mamilus Aginwa

Bio-Data

Date of Birth: August 16,1960
Place of Birth: Ifakala
Local Government: Mbaitoli
State of Origin: Imo
Nationality: Nigerian
Marital Status: Married
Sex: Male
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University of Nigeria, Nsukka.
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Experience

1994 – 1995 AMES Electrical Company (Nig) Limited, Ilorin
Electrical Engineer

- Electrical Installations (Surface and Conduit wiring).
- Low and High tension over-head lines construction.
- Installation of transformers and feeder pillars.
- Servicing of generators.
- Earthing systems Designs and Construction.

1995 – 1996 BIL Construction Company (Nig) Limited, Lagos.
Electrical Engineer

- Supervision of electrical installations on all construction sites.
- Preparation of Bills of Quantities for new electrical jobs.

1997 - 2000 Master Degree Student, Federal University of
Technology, Owerri.

Lecturer

2001-2002 Assistant Lecturer, Department of Electrical
Engineering, University of Ilorin, Ilorin.

2002 - 2005 Lecturer II, Department of Electronic

		Engineering, UNN.
	2005 - 2008	Lecturer 1, Department of Electronic Engineering, UNN.
	2008 - Date	Senior Lecturer, Department of Electronic Engineering.
	2016 – Date	Ag. Head of Electronic Engineering, UNN.
Education	2015:	Ph.D (Nigeria) Communications Engineering
	2000:	MSc (FUTO) Communications Engineering.
	1994	B.ENG (FUTO) Electrical/Electronic Engineering.

**Projects, Dissertation
And Thesis:**

PROJECTS:

- Design and Construction of an FM Radio / T.V. audio receiver.
- Design and Construction of a system that allows the transmission of data over a telephone line
- Design and Implementation of an electronic patient's temperature monitoring system with digital display.
- The design and implementation of a VHF tracking receiver.
- Design and Construction of a microprocessor based two-way digital radio telemetry system
- Design and Implementation of a temperature controller for egg incubator with display.(30⁰ - 50⁰)
- Design and construction of GSM antenna usable within service limited area.
- Design and Implementation of Microcontroller Based Automatic Fire Extinguishing system.
- Design and Implementation of Microcontroller Based Monitoring System for Oil-Filled Transformer.
- Design and Construction of High Performance Weighing System with Display.

DESERTATION:

Design and implementation of a PC-based Digital Radio Telemetry System (MSc Project Work).

THESIS:

Investigation of Electromagnetic Radiations by Global System for mobile Communications Base Stations in the University of Nigeria, Nsukka Campus (Ph.D Thesis)

AREAS OF RESEARCH

Wired, wireless, Optical Communication Systems, Telecommunication, and Radio Frequency Design.

WORKSHOPS AND CONFERENCES ATTENDED WITH DATES

- Training Workshop on Research Methods and Academic Writing in Engineering organized by Global Research Group, Nsukka. Nov. 8 – 9, 2013.
- Science Technology Workshop and Exposition organized by UNESCO in collaboration with University of Nigeria, Nsukka. June 17 – 20, 2013.
- International Conference on Internet Technology and Applications (iTAP2010), China, August, 2010.
- 2nd International Conference on Information Science and Engineering (ICTSE), China, Dec. 4- 6, 2010.
- 1st CSTD/NASRDA National Conference on Mobilizing Nigerian Universities for Collaborative Research and Development in Satellite Technology (Abuja 2007), Rockview Hotels, Abuja, March 12 -13, 2007.

National And International Journal Publications

1.Chinedu Ahumaraezeama Duru, Mamilus Aginwa Ahaneku

Analyzing The Power Handling Capability of A Coaxial Transmission Line. A Review Paper published in Journal of Applied Physical Science International, Vol. 6(4): 185 -195 , 2016. www.ikpress.org

2.Ahaneku, Mamilus A, Nzeako, Anthony A. and Nwawelu, Udora N

Investigation of Electromagnetic Radiations by GSM Base Stations in Nigeria for Compliance Testing. Journal of Advances in Physics Theories and Applications, Vol. 47, Pp.10 -17, 2015. www.iiste.org

3. V. C Chijindu, M.A Ahaneku, A.O Edeh

Dynamic Knowledge Consolidation & Management Using Ict: The Case Of Jamb Review Questions On English Language In Nigeria Paper Published in Ijser Volume 5, Issue 9, September, 2014 Edition (ISSN 2229-5518).

4.Udora N. Nwawelu*, Anthony N. Nzeako, Mamilus A. Ahaneku,

Vincent C. Chijindu Performance Evaluation of the Lionet Quality of Service in Nsukka Campus of the of Nigeria. Int. J. Communications, Network and System Sciences, 2014, 7(4) , Published Online April 2014 in SciRes. <http://www.scirp.org/journal/ijcns>

5. **Mamilus A. Ahaneku**, Anthony N. Nzeako, Udora N. Nwawelu
Assessment of Radiation Variations with Distance in the Vicinity of
GSM Base Stations International Journal of Scientific and Engineering
Research .Vol. 5, Issue 4. April, 2014.
6. **Ahaneku, M.A.**; V.C. Chijindu (2013): Frequency Re-Use and the
Implications Of Limited Network Resources In Cellular Mobile
Systems. Publication in Global Advanced Research Journal of
Engineering, Technology and Innovation. Vol. 2(6), pp.167 – 172,
July, 2013.
7. Nwawelu, U.N; Nzeako, A.N; **Ahaneku, M.A** (2012): 'The Limitations
of campus wireless Networks: A case study of University of Nigeria,
Nsukka (LIONET) publication in International Journal of Networks
and Communications,' Vol.2, No. 5.
8. **Ahaneku, M.A**; Nzeako, A.N (2012): 'GSM Base Station Radiation
Level: A Case Study of University of Nigeria Environment'.
Publication in International Journal of Scientific Technology and
Research, vol.1, issue 8. Pp. 102 – 107.
9. **Ahaneku, M.A**; Okonor, O.E; Offor, P.O; (2012) 'Power Capacity of
Transmission Line (Case Study of Coaxial Cables)', Publication in
Journal of Information Engineering and Applications' Vol.2, No. 7
10. Okonor, O.E; Ahaneku, M.A (2011) 'Current IPV4 Allocation
Scheme. Paper No.-2010-336 published in International Journal of
Engineering Science, Vol. 3, and No.1
11. **Ahaneku, M.A**; Okonor, O.E (2010) 'A Survey of Intelligent Cells
and Their Applications in Cellular Systems'. Journal Publication
(International Journal of Electrical and Electronic Engineering, Vol. 2,
Number 1.
12. **Ahaneku, M.A.**(2010) 'Equipment Grafting in Telecommunication
Industry (Case Study Nigeria PSTN)'. Journal Publication (Nig.
Journal of technology, Vol.29 No.1.
13. Okonor, O.E; **Ahaneku, M.A** (2010) ; ' Proposed IPV6 Aggregate

Scheme', An International conference paper on Internet Technology and Applications (iTAP2010), China 2010. IEEE Xplore.

14. Okonor, O.E; **Ahaneku, M.A** (2010) ; ' Comparative analysis of Network on Chip, LAN and Internet'. A conference paper on Information Science and Engineering (ICTSE), 2010 2nd International conference, Dec 4-6, 2010. Published in IEEE Xplore.

15' **Ahaneku, M.A.** (2007) 'FM Threshold and Methods of Limiting its Effect on performance'. A publication.(Nig. Journal of Technology,

Vol.26 No.1

Professional Affiliation Member, Nigerian Society of Engineers; Nigerian Institution of Electrical and Electronic Engineers.

Extra-Curricular Activities Reading, football, traveling, table-tennis, and Academic Advising/Counseling.

Member, Chief Emmanuel Iwuanyanwu Education Foundation 2012 – 2015.

Member, Board of Maritime Institute of Studies (MIS), University of Nigeria, Nsukka. 2014 – Date.

Member Peer – Review Group, Nigeria Journal of Technology.

Department of Electronic Engineering SIWES Rep. 2005 – 2010.

Department of Electronic Engineering Examination Officer. 2007 - 2011.

Staff Adviser, Nigerian University Engineering Students Association, UNN Chapter. 2007 – 2016.

Treasurer, Faculty of Engineering, UNN. 2012 – 2016.

Award

Most Punctual Academic Staff Award in Electronic Engineering.

Professional Skills

AutoCAD 2008 Essentials, Autodesk Inventor 2008 Essentials.

Programming using MATLAB codes

DECLARATION

I hereby declare that the information given above is correct and true.
Thank you.

Dr. M.A. Ahaneku Date :
Head, Electronic Engineering, University of Nigeria, Nsukka.
Coordinator, Maritime Telecommunications, Enugu Campus.