

VIVA



Engr. Dr. Adavbiele, Airewe Stephen (Professor since October 1, 2014) began his formal education in 1970. He received his FLSC with distinction in 1975 and WASC (first division) in 1980, HND (upper credit) in 1986; Certificate in Gas Turbine Engine Technology (IGTI, USA) in 1989; Graduate (NSE) in 1992, M. Eng in 1996, and PhD in 2007, all in Mechanical Engineering, with specialization in Thermofluid Engineering and Power Engineering. He is a Registered Engineer (COREN) and corporate member of the Nigerian Society of Engineers. He has worked in several establishments as a Technician, Technologist, Engineer or Associate Lecturer. Since 1999, he has become a full time Lecturer at Ambrose

Alli University, Ekpoma and was in Covenant University, Ota (on sabbatical leave in 2011-2012). He has to his credit six tertiary textbooks (3 others in Press); 30 published journal articles and 20 conference papers (published across Nigeria and other nations including USA, Canada, UK, Switzerland, Japan, India, Pakistan, Ghana, etc), 5 technical reports, 25 technical designs and 3 public lectures. Adavbiele pioneered 2 TETFund sponsored research projects, one of which now supplies solar electricity for ICT laboratory in AAU, Ekpoma. Adavbiele's Areas of research include renewable energy technologies, thrust vectoring propulsion and computational fluid dynamics, where he has supervised 6 PGD; supervising 2 master and 3 PhD students. . He was an invited guest presenter and a technical session chair, on renewable energy technologies in World Academy of Science, Engineering and Technology, and International Academic Forum Conferences held in Japan in October, 2013. In October 16-17, 2014, Adavbiele was in Philadelphia, USA to present a paper in the Fifth International Conference on the Constructed Environment. In another conference organized by International Journal of Arts and Sciences (IJAS) on 18-20 March, 2015 in Las Vegas, USA, he presented a paper and chaired a technical session on Science and Technology. In 2016, Adavbiele presented a paper in a conference titled Multidisciplinary Academic Research & Global Innovation. (MARGI- August 25-26, 2016) in Beijing, China.

Adavbiele was a Faculty representative in Senate for four years and past Head of Department of Mechanical Engineering, Ambrose Alli University, Ekpoma; Member, Editorial Board, African Research Council for Sustainable Development and Africa Research Journal (Switzerland); and the initiator and Deputy Director/Principal Investigator for Centre for Renewable Energy Technologies, AAU, which is awaiting final ratification by Senate of Ambrose Alli University, Ekpoma

Adavbiele has travelled to several countries to attend conferences namely: to USA (several times), UK, France, United Arab Emirates, Japan, China, South Africa, Ghana, Togo and Benin Republic. He is married and they are blessed with children.

CURRICULUM VITAE

1. NAME	ADAVBIELE Airewe Stephen PhD; MNSE; R. Engr. (COREN)
2. PERSONAL DATA	
Date of birth	April 16, 1964
LGA	Uhumwode
State of origin	Edo
Nationality	Nigerian
Health	Mentally stable
Marital status	Married with four children
Present position	Professor (2014)
Geographical preference	Anywhere, provided safe
Interests Research,	Design, research and development
Salary goals	Prefer that on pro-rata basis with benefits
Permanent home address	20, Zanna School Road, By Brother Roman Centre, Ebhoakhuala, Ekpoma-Nigeria.
Current postal address.	Faculty of Engineering & Technology, Ambrose Alli University, PMB 14, Ekpoma-Nigeria.
Tel:	08077729450, 08055963679 08109007030
E-mail	engradavbiele@ymail.com engradavbiele@aauekpoma.edu.ng

3. UNIVERSITY/POLYTECHNIC EDUCATION AND ACADEMIC/INDUSTRIAL CAREER

A. Education:

- 2007, August 29: PhD in Mechanical Engineering (Thermofluid Engineering) from Ambrose Alli University, Ekpoma.
- 1996, April 4: M.Eng in Mechanical Engineering (Thermofluid Engineering) from Ambrose Alli University, Ekpoma.
- 1992, September: Graduate in Mechanical Engineering (Power Engineering) from the Nigerian Society of Engineers
- 1986, June: HND in Mechanical/Production Engineering ((Power Engineering)) from Auchu Polytechnic, Auchu.

B. Academic Career

- **Sabbatical Leave, Department of Mechanical Engineering, Covenant University, Ota, Ogun State. September 1, 2011 to August 31, 2012.**
 1. Lectured Thermodynamics, Thermal Power/Propulsive Systems and Fluid Mechanics at undergraduate level.
 2. Lectured Advanced Thermodynamics, Advanced Fluid Mechanics and Computational Fluid Dynamics (CFD) at postgraduate level
- **Various positions held at Ambrose Alli University, Ekpoma. 1990 till date**
2012 to 2013: Head of Department, Mechanical Engineering

1999—till date: Full time lecturer rose to Professor in 2014.

1996—1999: Part-time lecturer

1990—1999: Technologist I, rose to Principal Technologist in 1997 and head, Mechanical Engineering Laboratories from 1992 to 1999.

Courses taught to date in Ambrose Alli University and Covenant University—

1. At the undergraduate levels: Thermodynamics, Fluid Mechanics, Fluid Dynamics, Fluid Power Systems, Aerodynamics and Hydrodynamics, Building Services, Fluid Machinery, Energy Conversions, Automotive Engineering, Analytical Mechanics, Dynamics of Machines, Mechanical Vibrations, Applied Mechanics and Mechatronics.
2. At the postgraduate levels: Advanced Thermodynamics, Advanced Fluid Mechanics, Heat and Mass Transfer, Advanced Turbomachinery, Fuels and Combustion, Advanced Numerical methods in Engineering; and Computational Fluid Dynamics (CFD).

C. Industrial Career

1. Wilisco (Nig) Ltd Warri; June 12, 1989 to May, 1990: Mechanical/welding inspector.
2. Odibo & Sons Enterprises Ltd; Warri—Oct 1987 to Nov 1998 Sales Engineer:
3. Ajaokuta Steel Co. Ltd; Ajaokuta; Aug 1986 to July 1987: Corper on one year national service.

4. PROFESSIONAL AFFILIATION

Registered engineer: R6402 (1995) Council for the Regulation of Engineering in Nigeria (COREN)

Corporate member: No 06779 (1994) The Nigerian Society of Engineers (NSE)

5. RESEARCH/PUBLICATIONS

1. PhD from Ambrose Alli University, Ekpoma in 2007; Doctoral thesis: Performance optimization of a thrust vectoring nozzle.
2. Working on virtual laboratory for component design and development using CFD for thrust-vectoring propulsion systems
3. Hybrid renewable energy studies using Homer model and waste heat harvest

Summary

6 books, 3 others in Press, 30 articles in refereed journal papers, 2 articles sent out for publication, 18 referenced proceeding articles, 3 invited lectures, 25 design/technical reports and 10 conference presentations,

A. Textbook publications

1. Adavbiele, A.S. (2013). Advanced Turbomachinery (in Press)
2. Adavbiele, A.S. (2013). Advanced Thermodynamics (in Press)
3. Adavbiele, A.S. (2013) Advanced Numerical Methods in Engineering (in Press)
4. Adavbiele, A.S. (2013). Engineering Fluid Dynamics, Second Edition. Ambik Press, Benin City. ISBN 978-978-8430-47-6.
5. Adavbiele, A.S. (2011). Synopsis of Motor Vehicle Technology. De-Winner Printers, Ekpoma. ISBN 978-8146-26-10
6. Adavbiele, A.S. (2011). Simplified Analytical Mechanics. Second Edition. Ephphatha Printing Press, Ekpoma. ISBN 978-914-341-2

7. Adavbiele, A.S. (2007). Simplified Fluid Power Systems. Imprint Services, Lagos. ISBN 978-8053-73-4.
8. Adavbiele, A.S. (2002). Fundamentals of Engineering Thermodynamics. Ambik Press, Benin City. ISBN 978-8016-59-6.
9. Adavbiele, A.S. (2002). Treatise on Mechanical Vibrations, Ambik Press, Benin City. ISBN 978-8016-82-2.

B. Journal publications

International

10. Adavbiele, A.S. (2014, January). The modelling of a residential based wind powered generator. International Journal of Advanced Studies in Engineering and Scientific Inventions. 2, (1). UK. 33-47. <http://www.internationalpolicybrief.org>.
11. Adavbiele, A.S. (2014). Solar powered solid oxide fuel cell with thermoelectric generator. International Journal of Critical Infrastructures 10 (2). Switzerland. www.inderscience.com
12. Oyedepo, S.O; Fagbenle, R.O; Adafia, S.S. and Adavbiele, A.S (2014). Performance evaluation and economic analysis of a gas turbine power plant in Nigeria. Energy Conversion and Management. Science Direct, Elsevier. Netherland 79. 431–440
13. Adavbiele, A.S. (2013, October 14-15). Sustainable energy use: Heat harvest. Proceedings Paper, World Academy of Science, Engineering and Technology, Osaka, Japan. Issue 82. 605-612. www.waset.org
14. Adavbiele, A.S (2013). Generation of electricity from gasoline engine waste heat. Journal of Energy Technologies and Policy. The International Institute for Science, Technology and Education (IISTE). USA. 3 (5) 16-33. www.iiste.org
15. Aasa, S.A; Ajayi, O.O; Adavbiele, A.S and Akinbode, F.O. (2013). The Prospect of Carbon dioxide for Power Generation in Nigeria, Journal of Energy Technologies and Policy, The International Institute for Science, Technology and Education. USA. 3 (1) 23-39. www.iiste.org
16. Adavbiele, A.S. (2012). Development of off-grid solar electricity for household. International Journal for Applied Engineering Research, India. 7 (8) 931-954. <http://www.ripublication.com>
17. Adavbiele, A.S and Aasa S.A. (2012). Integrated flat plate solar thermoelectric system, European Journal for Scientific Research, UK. 76 (2) 253-270. <http://www.europeanjournalsofscientificresearch.com>.
18. Adavbiele, A.S (2011) Comparison of power plants performance using exergetic efficiencies and entropy generation minimization. Global Journal of Engineering & Technology, Calcutta, India. 4 (2) 135-141. www.gjet.org
19. Adavbiele, A.S. (2010). Optimization of thermofluid systems with second law. International Journal of Engineering Research in Africa. 1 (1) 67-80
20. Adavbiele, A.S. (2009). Photovoltaic solar thermoelectric air-conditioning system. Global Journal of Engineering & Technology, Calcutta, India. 2 (4) 635-650. www.gjet.org
21. Adavbiele, A.S and Amiebenomon S.O. (2008). Optimization of the performance of a super-cruise engine with isothermal combustion inside the turbine using exergy method, Journal of Engineering and Applied Sciences. Medwell, Pakistan 3 (3) 241-245. <http://www.medwelljournals.net>.
22. Adavbiele, A.S and Erua J.B. (2008). Development of low cost solar illumination system for household. Research Journal of Applied Sciences, Medwell, Pakistan. 3 (3) 359-362. <http://www.medwelljournals.net>.

23. Adavbiele, A.S. (2008), Computation of dynamics of a fluid controlled mechanical thrust-vectoring nozzle. *Journal of Applied Science and Technology (JAST)*, Ghana 13 (1& 2) 8-12. www.jast_ghana.org
24. Adavbiele, A.S. (2008). Examination of aerodynamics parameters of a fluid controlled mechanical thrust-vectoring nozzle. *Journal of Applied Science and Technology (JAST)*, Ghana 13 (1& 2) 13-19. www.jast_ghana.org
25. Adavbiele, A.S. & Adavbiele, J.A. (2008). Women and engineering education in Nigerian universities. *Journal of Social Sciences*, Medwell, Pakistan. 5 (6) 581-586. <http://www.medwelljournals.net>.
26. Adavbiele, A.S. & Adavbiele, J.A (2008). Women and technological development in Nigeria. *Journal of Social Sciences*, Medwell, Pakistan. 5 (6) 591-596. <http://www.medwelljournals.net>.
27. Adavbiele, A.S. & Salami, L.A. (2007). Performance optimization of a thrust vectoring nozzle. *Journal of Advances in Materials and Systems Technologies*. Trans Tech. Publications, Switzerland, 18 & 19. 407-413. <http://www.ttp.net>

Local

28. Adavbiele, A.S. & Otubu, P.A (2009). The ways to curb the paradox in objects of certification in engineering education in Nigeria. *Journal of Education*. 10 (1&2) 89-103
29. Adavbiele, J.A & Adavbiele, A.S (2006). The problems of supervision of examinations in technical education in Nigeria. *Journal of Education*. 1 (1) 88-95
30. Otubu, P.A. & Adavbiele, A.S. (2006, June). Establishing micro-hydropower scheme in rural communities in Nigeria to enhance industrialization. *Journal of Science, Technology and Environment*. International Council for Research and Innovation in Building and Construction. 1 (1) 27-40
<http://www.cibworld.nl>
31. Adavbiele, A.S. & Igbudu, S.O. (2006). Solid waste management strategies for Ekpoma. *The Built Environment*. 2 (2) 41-45
32. Otubu, P.A., Erua, J.B. & Adavbiele, A.S. (2006, Nov). Techniques for the design and realization of an 8-bit computer memory system. *Environment Research Digest*. 1 (2) 1-14.
33. Adavbiele, A.S. & Salami, L.A (2005). Performance optimization of a thrust vectoring nozzle: Part I: Configuring the nozzle shape. *Journal of Engineering Science and Applications*, 4 (2) 73-89
34. Adavbiele, A.S. & Salami, L.A (2005). Optimizing the shape of the divergent portion of a thrust vectoring Laval nozzle for isentropic flow. *Journal of Engineering Science and Applications*, 4 (2) 1-15
35. Adavbiele, A.S. & Adavbiele, J.A (2005). Micro scheme for overcoming the perennial water shortage in Ekpoma. *The Built Environment*. 1 (2) 14-20
36. Adavbiele, A.S; Otubu, P.A. & Adavbiele, J.A (2006). The environment and engineering: ways of curbing the paradoxical implication of one on the other. *The Built Environment*. 2 (1) 36-43
37. Adavbiele, J.A. and Adavbiele, A.S. (2004). Gender inequality in enrolment for technical education in Nigerian universities. *Journal of Contemporary Issues*, National Association of Women Academics (NAWACS), Ekpoma Chapter. 1 (1). 33-43
38. Adavbiele, A.S. & Adavbiele, J.A (2004). Overhauling the competence assessment of technical education students in higher institutions in Nigeria. *Journal of*

Contemporary Issues, National Association of Women Academics (NAWACS), Ekpoma Chapter. 1 (1) 132-142

39. Adavbiele, A.S. and Adavbiele, J.A. (2003, October). Engineering technology and self-reliance in Nigeria. *Knowledge Review Journal*, National Association for the Advancement of Knowledge (NAFAK), Nigeria, 7 (4). 30-36

C. Conferences/ seminar papers presented

40. Adavbiele, A.S (2016). Optimization of Standalone Hybrid Energy System. Multidisciplinary Academic Research & Global Innovation. (MARGI- August 25-26, 2016) Beijing, China. www.globalilluminators.org.
41. Adavbiele, A.S (2015 March 16-20). Optimization of Stand-Alone Hybrid Energy System. International Journal of Arts and Sciences (IJAS) Conference on Science and Technology, Las Vegas, USA
42. Adavbiele, A.S (2014 October 16-17). The constructed environment: Powered by sustainable stand-alone residential energy technology Fifth International Conference on the Constructed Environment, Philadelphia, USA. www.constructedenvironment.com
43. Adavbiele, A.S (2013 October 23-27). Solar powered solid oxide fuel cell with thermoelectric generator. International Academic forum (IAFOR), Asian Conference on Society, Education and Technology (ACSET). Osaka, Japan. www.iafor.org
44. Adavbiele, A.S (2013 October 14-15). Sustainable energy use: Heat harvest. World Academy of Science, Engineering and Technology. Osaka, Japan. www.waset.org
45. Adavbiele, A.S (2013 July 25-26). Sustainable engineering development: Heat harvest. African Regional Conference on Sustainable Development. University of Ghana, Legon, Ghana. www.internationalpolicy.org
46. Adavbiele, A.S (2013 July 25-26). The design and modelling of a residential based wind powered generator. African Regional Conference on Sustainable Development. University of Ghana, Legon, Ghana. www.internationalpolicy.org
47. Erua, J.B; Adavbiele, A.S. and Yeboah J.K (2013 July 25-26). The design and installation of solar power supply system for ICT laboratory in Ambrose Alli University, Ekpoma. African Regional Conference on Sustainable Development. University of Ghana, Legon, Ghana. www.internationalpolicy.org.
48. Erua J.B; Adavbiele, A.S. and Okundamiya (2013 July 25-26). Design of a microprocessor based automatic control for dam spillway: Ojrami Dam in Edo State as a Case Study. African Regional Conference on Sustainable Development. University of Ghana, Legon, Ghana. www.internationalpolicy.org.
49. Adavbiele, A.S (2012 June, 20-22). Development of off-grid solar electricity for household. Energy and Materials Research Conference, Spain. Paper accepted for presentation.
50. Adavbiele, A.S. & Salami, L.A. (2006, Sept 5-7). Performance optimization of a thrust vectoring nozzle. International Conference on Engineering Research & Development: Impact on Industry, University of Benin, Benin City.
51. Adavbiele, J.A & Adavbiele, A.S (2005, Nov 9-12). The problems of supervision of examinations in technical education in Nigeria. 1st Annual Conference of the Faculty of Education, Ambrose Alli University, Ekpoma.

52. Adavbiele, A.S. & Otubu, (2005, Nov 9-12). The ways to curb the paradox in objects of certification in engineering education in Nigeria. 1st Annual Conference of the Faculty of Education, Ambrose Alli University, Ekpoma.
53. Adavbiele, J.A. and Adavbiele, A.S. (2005, March 13-19). Women and engineering education in Nigerian universities. A paper presented at the International Regional Conference of Forum for African Women Educationists, Nigeria, Nwandi Azikiwe University, Akwa.
54. Adavbiele, J.A. & Adavbiele, A.S. (2005, March 13-19). Women and technological development in Nigeria. A paper presented at the International Regional Conference of Forum for African Women Educationists, Nigeria, Nwandi Azikiwe University, Akwa
55. Adavbiele, A. S. (2004, Jan 14). Performances optimization of a thrust-vectoring nozzle, PhD Seminar, Ambrose Alli University, Ekpoma.
56. Adavbiele, A.S. and Adavbiele J.A. (2003, March 2-7). Engineering technology and self-reliance in Nigeria. A paper presented at the 5th National Conference of National Association for the Advancement of Knowledge (NAFAK), Ambrose Alli University, Ekpoma.
57. Adavbiele, J.A. and Adavbiele, A.S. (2002, September 2-7). Gender inequality in technical education. A paper presented at the 3rd International Conference of National Association of Women Academics (NAWACS), Ahmadu Bello University, Zaira
58. Adavbiele, A.S (2000, April 20). The role of technology. Conference of All Nigerian Christian Engineering Students Association. Seminar. Ambrose Alli University, Ekpoma.
59. Adavbiele, A.S; (1996, Jan 19). A deflected jet nozzle for boosting airborne flight control, M.Eng. Seminar, Ambrose Alli University, Ekpoma

D. Public lectures

60. Adavbiele, A.S. and Adavbiele, J.A. (2007, May 14). Students' performance in engineering and technical education: Before and after JAMB post-screening exercises in Ambrose Alli University. Conference of All Nigerian Christian Engineering Students Association. Ambrose Alli University, Ekpoma.
61. Adavbiele, A.S. (2006, April 20). Matching our training methods with emerging technology and workplace. Conference of All Nigerian Christian Engineering Students Association. Ambrose Alli University, Ekpoma.
62. Adavbiele, A.S; Yeboah, J.K. and Erua, J.B, (2012). Design of integrated solar-grid electricity system for households. Tertiary Education Trust Fund (TETFund) Sponsored Research Project: Technical Report No TETFund/AAU/FET/2012/001

E. Design/technical reports

Completed research on the following:

1. Design of Integrated Solar-Grid Electricity System for Households. TETFund sponsored **Technical Report No TETFund/AAU/FET/2012/001**
2. Computational fluid dynamics of a thrust-vectoring Laval nozzle
3. Experimental evaluation of the performances of a thrust-vectoring nozzle
4. Rectangular of nozzle for powering magneto hydrodynamic generator
5. Multi-purpose solar energy heating system
6. An integrated unit solar energy dryer and water heater
7. Harvesting solar energy for domestic uses: Part I.
8. Harvest and solar cleaning of rain water for use in homes: Part II

9. Solar box cooker.
10. Integrated thermal solar collector for heating, cooling and electricity generation
11. Solar energy utilization
12. Adjustable lathe tool post
13. Kernel and shell separator
14. Suya' barbeque
15. Garri processor
16. A 3/4-way valve control systems
17. Reclaiming abandoned compressor valves through cannibalization
18. Hybrid laboratory system suitable for use by engineering students
19. Performance evaluations of various string and wind musical instruments.
20. Viable fuels and energy resources in Nigeria.
21. Design and construction of a yam power with a heater
22. Evaluation of the future trend of engineering education in Nigeria
23. Exergy analysis of a steam power plant: Part I
24. Exergy analysis of a gas power plant. Part II
25. Vertical wind water pump
26. Visual flowlab
27. Solar thermoelectric refrigerator
28. Solar thermoelectric air-conditioner
29. Garri processing machine
30. Corn/suya roaster

Currently investigating/designing

1. A flowlab for the tripartite uses (propulsion, thrust-vectoring and electricity generation) of a rectangular duct Laval nozzles and higher order CFD flowlab for process and product design
2. Exergy and entropy generation minimization analysis of thermofluid processes
3. Viable alternative fuels and energy resources with their applications in Nigeria.
 - i. Photovoltaic solar off-grid system
 - ii. A flat plate solar collector for water heating, thermoelectric air conditioning and electricity generation
 - iii. Comparative evaluation of thermal and photovoltaic solar thermoelectric air conditioning systems
 - iv. Solar pumping system
 - v. Solar lighting system
 - vi. Wind pumping system
 - vii. Wind generator
 - viii. Biomass

F. Theses/projects supervision

1. Supervised 1PhD, 3 master, 5 PGD and over 100 undergraduate students.
2. Supervising 5 postgraduate and 10 undergraduate students

G. Software Proficiency

Autodesk AutoCAD, Inventor and 3Ds Max, Engineering Equation Solver (EES), Excel, SPSS, FORTRAN, PowerPoint and Word

H. Current Research Areas:

Propulsion, thrust vectoring and high electricity generation using a rectangular duct nozzles
CFD Virtual Flowlabs.
Fluid Dynamics, Thermodynamics, Renewable Energy, Gas Dynamics. Heat Transfer & Turbomachinery

6. SEMINAR AND WORKSHOPS/CONFERENCES ATTENDED

1. Multidisciplinary Academic Research & Global Innovation. (MARGI- August 25-26, 2016) Beijing, China.
2. Fifth International Conference on the Constructed Environment, Philadelphia, USA. 16-7 October, 2014.
3. International Academic forum (IAFOR), Asian Conference on Society, Education and Technology (ACSET). Osaka, Japan. 23-27 October, 2013
4. World Academy of Science, Engineering and Technology. Osaka, Japan. 14-15 October, 2013
5. African Regional Conference on Sustainable Development. University of Ghana, Legon, Ghana. 25-26 July, 2013
6. The Nigerian Society of Engineers (NSE). National Engineering conference/AGM, International Conference Centre, Abuja. 13-17 November, 2007.
7. International Conference on Engineering Research & Development: Impact on Industry, University of Benin, Benin City. 5-7 September, 2006.
8. COREN 16th Engineering Assembly, Council for the Regulation of Engineering in Nigeria (COREN), International Conference Centre, Abuja, 4-4-7th Aug; 2006.
9. COREN 14th Engineering Assembly, Council for the Regulation of Engineering in Nigeria (COREN), International Conference Centre, Abuja, 20-21 Sept; 2005.
10. International Conference on engineering Research & Development: Impact on Industry, University of Benin, Benin City, 5-7 Sept; 2006.
11. International Regional Conference of Forum for African Women Educationists, Nigeria, Nwandi Azikiwe University, Akwa, 13-19 March, 2005.
12. COREN 14th Engineering Assembly, Council for the Regulation of Engineering in Nigeria (COREN), International Conference Centre, Abuja, 20-21 Sept; 2005.
13. 1st Annual Conference of the Faculty of Education, Ambrose Alli University, Ekpoma, 9-12 Nov; 2005.
14. Adavbiele A. S. (2004, Jan 14). Performances optimization of a thrust-vectoring nozzle, PhD Seminar, Ambrose Alli University, Ekpoma. Adavbiele A.S; (1996, Jan 19). A deflected jet nozzle for boosting airborne flight control, M.Eng. Seminar, Ambrose Alli University, Ekpoma.
15. The Nigerian Society of Engineers (NSE). National Engineering Conference/AGM, Warri, 6-10 December, 2004.
16. National Conference of National Association for the Advancement of Knowledge, (NAFAK), Ambrose Alli University, Ekpoma, March 2-7, 2003.
17. National Association of Women Academics (NAWACS), 3rd International, Conference, Ahmadu Bello University, Zaria, September 2-7, 2002.
18. The Nigerian Society of Engineers, International Engineering Conference/AGM, Ikeja, 8-13 December, 1997.
19. The Nigerian Society of Engineers, National Engineering Conference/AGM, Benin City, 4-7 December, 1997.
20. Aigobmia A. et al, Editors, A Seminar on Evaluation of Student Performances, Ambrose Alli University, Ekpoma. 17 May, 1995.

7. APPOINTMENTS /ADMINISTRATIVE EXPERIENCE

- Acting Head of Department, Mechanical Engineering, Ambrose Alli University, Ekpoma. 3rd October, 2012 to 30th November, 2013.
- Member, Senate Committee for Laboratories and Workshops, Ambrose Alli University 2013
- Member, Postgraduate Academic Committee, Ambrose Alli University, 2011 to date
- Chairman, Committee for COREN Accreditation, Department of Mechanical Engineering, Covenant University, Ota-Nigeria. 2011/2012.
- Chairman, Committee for COREN Accreditation, Department of Mechanical Engineering, Ambrose Alli University, Ekpoma. 2009/2010
- Reviewer, International Journal of Engineering Research in Africa, 2010 till date
- Faculty Representative, University Senate. August 2006-2008 and 2008-2010
- Department Representative, School of Postgraduate Studies, 2010 to 2011
- Senate Representative, Senior Staff Disciplinary Committee II. 2009/2010
- Representative, Senate Committee on Time-Table. 2007-2009
- External Examiner, Part-Time ND Programme, Department of Mechanical Technology, Auchi Polytechnic, Auchi: 2007/2008 and 2008/2009
- Chairman, Committee for NUC Accreditation, Department of Mechanical Engineering, 2007 till date, Ambrose Alli University, Ekpoma-Nigeria
- Chairman, Faculty Committee on ICT
- Commissioned Chaplain Sub-Lieutenant, 15th July, 2007.
- Member, Committee for the Review of Undergraduate and graduate syllabi for Faculty of Engineering & Technology. 2006/2007
- Formerly Public Relation officer, the Nigerian Society of Engineers, Ekpoma Branch, 1997-1999.
- Member, Faculty Workshop Committee. 1992—1997
- Member, Post-Graduate Diploma in Engineering Syllabus Drafting Committee. 1992/1993
- Deacon; December 19th 1999-Gospel Outreach Ministries Inc; Ekpoma.

8. CAREER OBJECTIVE/RESEARCH INTEREST

Engineering position (as may be assigned), with a responsibility for research, design, production, installation, inspection, consultancy, maintenance etc, of machinery. Alternatively, to lecture and carry out research in areas in Mechanical Engineering as follow:

Computational Fluid Dynamics.

Thermodynamics/Heat Transfer/Energy Conversion

Mechanics of Fluids/Turbomachinery

Fluid Power/ Control Systems/Mechatronics

9. SPECIAL CREDENTIALS

Youth Services Corps Certificate-No 300569 1986/87.

International passport: Number A05765609.

Driving License; No DGE01751AA02

National identity number EDO76387119

10. REFERENCES

- Engr. Prof. O. Ighodalo, Department of Mechanical Engineering, Ambrose Alli University, PMB 14, Ekpoma: +2348056032139

- Engr. Prof. A.O. Ehigiator, Department of Civil Engineering, Ambrose Alli University, PMB 14, Ekpoma, Edo State- Nigeria. +2348136452147
- Engr. Dr. A.I. Obanor, Department of Mechanical Engineering, University of Benin, PMB 1154, Benin City, E-mail: aiobanor@yahoo.com +2348055315180.