

CURRICULUM VITAE

1. PERSONAL DATA.

2. FULL NAME ILORI, ABIDEMI OLUJIDE

3. DATE AND PLACE OF BIRTH: 2nd October, 1961, Lagos.

4. NATIONALITY Nigerian

5. PERMANENT HOME ADDRESS: Block XI, Plot 3 Site B,
(Road 2 by Road 5)
Federal Housing Estate, Calabar,

6. CURRENT CONTACT ADDRESS Civil Engineering Department,
University of Uyo .

POSTAL ADDRESS: P.O. Box, 1442, Calabar Road Box
Office, Calabar. Cross River State

E-MAIL: abidemiilori@uniuyo.edu.ng
And bidemiini@gmail.com

7. MARITAL STATUS: Married

8. NUMBER AND AGES OF CHILDREN Three children, with ages
28, 25, 23.

9. DATE AND PLACE OF FIRST

APPOINTMENT: 15th June, 1987. Federal Airports
Authority of Nigeria.

10. STATUS/RANK AT FIRST APPOINTMENT: Civil Engineer II

11. DATE OF APPOINTMENT INTO UNIVERSITY OF UYO: 22nd September, 2008.

12. PRESENT STATUS/RANK AND SALARY: Senior Lecturer. CONUASS 5 Step 7

13. DATE OF LAST PROMOTION : October 1, 2014

14. DATE OF CONFIRMATION OF APPOINTMENT: 15th June, 1989.

15. DEPARTMENT: Civil Engineering

16. FACULTY: Engineering

17. TRANSFER OF SERVICE/MERGING OF SERVICE: Has worked in Federal Airports Authority of Nigeria (FAAN), from 15th June, 1987 to 21st September, 2008, then transfer and merged service to University of Uyo on 22nd September, 2008.

18. ACADEMIC AND PROFESSIONAL BACKGROUND

(a) HIGHER EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES

1. Ibadan Grammar School, Molete,
Ibadan, Oyo State. September, 1973 -- July, 1978
2. Federal School of Arts and Science September, 1978 -- October 1979
3. University of Ife
(Now Obafemi Awolowo University) October, 1979 - July 1985
Ile-Ife
4. University of Calabar, Calabar: October, 1995 - August 1997
5. University of Calabar, Calabar: January 1998- March 2001
6. University Of Calabar: 2003 - 2011

(b) ACADEMIC QUALIFICATIONS WITH DATES:

1. West African School Certificate: June, 1978
2. General Certificate of Education, O-Level: December, 1978

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| 3. | BSc. (Hons) Civil Engineering
(Class 2-2): | August 1985. |
| 4. | Post Graduate Diploma in Applied Geology
(Groundwater Resources Engineering)

Class: merit; 3.23 on 4.0 Grading System: |

March, 1998 |
| 5. | M. Sc. Engineering Geology/hydrogeology

Class: 3.09 on 4.0 Grading System: |

March 2001. |
| 6. | PhD – Geophysics | April, 2012 |

(C) WORKING EXPERIENCE WITH DATES

i) WORK EXPERIENCE BEFORE PRESENT APPOINTMENT

Has been in the employ of Federal Airports Authority Of Nigeria (FAAN) Since 1987 to 22nd September, 2008.

Listed below is a summary of routine schedule of duties I engaged in since August 1987 to March, 2006;

1. Civil Engineer in charge of Airport/head of Civil/Building Department. In Enugu Airport , (1987-1990), and Calabar Airport (1990-March 2006).
2. Writing periodically Technical Reports to the headquarters of organization on the state of civil engineering and building facilities in the Airport, namely: The Runway pavement and its Drainages, Terminal Building, Water Supply and plumbing Facilities. State of the living Quarter Buildings, Access Road and Drainages.
3. Preparation of proposals involving Design, Writing and Preparation of Engineering Bill of Measurement for Maintenance of Facilities mentioned above.
4. Execution of such maintenance proposal.
5. Supervision of actual maintenance /new construction if contracted.
6. Administrative duties associated with the position.

March , 2006 – February, 2007

As **Assistant General Manager**, under a General Manager at the headquarters of FAAN

1. Evaluation of the state of pavement facilities (Runway, Taxiways, Airfield Lightings facilities, Drainages, etc) at the different Airports controlled by the Organization. Evaluation is carried out using reports of contractors engaged to carryout destructive and non-destructive tests on the pavement facilities
2. Proposal and Preparation of design relevant to keep them serviceable which includes;
 - Planning for repairs and complete resurfacing for some of them
 - Preparation of Tender Documents for Bidding by Qualified contractors.
 - Analysis and Evaluation of Tenders.
 - Recommendation of Competent and Most qualified Contractor to the management of the organization.
 - Field Supervision of such contracts and contractors.
3. Design, supervision of construction and installation of signage for Runway 18 L and taxiway of the Murtala Mohammed International Airport Ikeja, Lagos.
4. Secretary to the technical committee on completion of airfield lighting project for the Runway 18 R of the Murtala Mohammed International Airport Ikeja, Lagos, in preparation for International Civil Aviation Organization certification

February, 2007- September, 2008.

As **Assistant General Manager**;

Engineers Representative (Resident Engineer) on Asphalt resurfacing of Port-Harcourt International Airport Runway 03/21 project

ii) WORK EXPERIENCE IN THE UNIVERSITY.

a) COURSES TAUGHT WITH DATES

Undergraduate Courses

- - CVE 517 – *Foundation Engineering* , 2008,2009, 2010,2011,2012,2013,2014, 2015,2016,2017,2018, 2019, 2020
- CVE 321- *Soil Mechanics*, 2009,2010,2011

- *CVE 411-Soil Mechanics and Foundations 2010, 2011*
- *GRE411-Numerical Analysis, 2009.*

Post Graduate Courses

- *CVE 774 - Foundations on Soils 2013,2014,2015,2016,2017, 2018, 2019, 2020*
- *CVE 782 - Laboratory and field techniques 2014,2015,2016, 2017,2018, 2019*
- *CVE 785 - Geosynthetics 2013/2014, 2014/2015, 2015/2016, 2016/2017, 2017/2018 , 2019/2020*

Academic sessions

- *CVE 775 – Earth Pressure , 2015/2016, 2016/2017 2017/2018*

b) RESPONSIBILITIES

- *Exams Officer ,since 2009/2010 to 2013/2014 academic session*
- *Supervision of final year student’s project; 9 students in 2007/2008 session, 5 in 2008/2009, five in 2009/2010, six in 2010/2011, eight in 2011/2012, three in 2012/2013, five in 2013/2014, eight in 2014/2015, five in 2015/2016,*
- *Departmental secretary.2009 to 2013.*
- *Attendance at Faculty Board meetings.*
- *Conduct and supervision of semester exams.*
- *Supervision of MSc post graduate thesis, 2016, 2019,(see attached documents).*
- *Civil Engineering Department Post Graduate coordinator, 2014- March 2018.*
- *Acting HOD, Department of Civil Engineering January, 2018- January, 2019.*

c) NATIONAL/STATE/COMMUNITY SERVICE OUTSIDE THE UNIVERSITY

- *Reviewer for American Society of Civil Engineers Journal of Materials in Civil Engineering.*
- *Review of article for British Journal of Applied Science and Technology,*
- *Other review works for various Journal*

d) RESEARCH UNDERTAKEN

- (1) *Consolidation characteristics of Coastal Plain Sands*
- (2) *Damsite Investigation*
- (3) *Site investigation for a proposed runway extension using shallow seismic refraction and penetration test*
- (4) *Seismic investigation of Highway pavement failures (on-going)*
- (5) *Geotechnical characterization of a Highway alignment route with Light weight penetrometer (on-going)*
- (6) *Geotechnical characterization of a shale soil (on-going)*
- (7) *Evaluation of naturally occurring aggregate suitability for highway pavement construction (on-going)*
- (8) *Investigation of bearing capacity properties of some soil within Uyo metropolis (on going)*
- (9) *Interface properties of soil and concrete*
- (10) *Slope stability studies (on going)*

D. MEMBERSHIP OF PROFESSIONAL BODIES

1. Corporate member Nigerian Society of Engineers. **No 11788**
2. Council For the Regulation of Engineering in Nigeria (COREN) Registered member No **R.9972**

E. PUBLICATIONS.

a) THESIS/DISSERTATION

- Unpublished BSc Dissertation: Improvement of geotechnical properties of a lateritic soil with saw dust ash. - July, 2004
- Unpublished MSc Thesis. Site investigation for a proposed runway extension within the Coastal Plain Sands of Calabar using seismic and Standard penetration data. - September, 2000.
- Unpublished PhD Thesis. Seismic investigation of some highway pavement failures in parts of Southeastern Nigeria. - October 2011.

b) IN FOREIGN JOURNALS

1. Esu, O.O., and Ilori, A.O., 2002. Deformation characteristics of Coastal Plain Sands at a water treatment plant site, Calabar , South-Eastern Nigeria. *Electronic Journal of Geotechnical Engineering*. Vol.7, Bundle C. Paper 0244: 3
2. Akwagiobe, G. A., Becket J.C. and Ilori, A.O. 2002. A Record of Pile Load Test and Ground Improvement within the Coastal Plain Sands, Southeastern Nigeria. *Electronic Journal of Geotechnical Engineering*. Vol.7, Bundle C. Paper 0245: 3
3. . Esu, E.O., Ilori, A.O., and Hambley, D.F. 2010. Preliminary geotechnical assessment of Nkari earth dams site, southeastern Nigeria. *International Journal of Geotechnical Engineering*. J. Ross Publishing. Volume 4. Issue 3. pp 371-384. ISSN:1938 - 6362. DOI: <http://dx.doi.org/10.3328/IJGE.2010.04.03.371-384>
4. Ilori, A. O., Essien, N. U., and Edet, A. E. 2010. Geotechnical, Geological, and Hydrologic Characterization of a 52 km Electrical Power Transmission Line Alignment Route in Southeastern Nigeria. *Geotechnical and Geological Engineering*. An International Journal. pp. 28:907- 923. Volume 28 Number 6. ISSN 0960-3182. <http://link.springer.com/article/10.1007/s10706-010-9347-z>
5. Ilori, A.O., Okwueze , E.E., and Obianwu, V. I . 2013. Evaluating Compaction Quality Using Elastic Seismic P- Wave. American Society of Civil Engineer (ASCE) Journal of Materials in Civil Engineering *J. Mater. Civ. Eng.*, 25(6), 693–700. : [http://dx.doi.org/10.1061/\(ASCE\)MT.1943-5533.0000559](http://dx.doi.org/10.1061/(ASCE)MT.1943-5533.0000559)
6. Ilori, A.O., Obianwu, V. I, and Okwueze , E.E., 2014. Seismic investigation of highway pavement failures in parts of Southeastern Nigeria. *Journal of Environmental and Engineering Geophysics*. June , Vol. 19, p. 113-134, doi:10.2113/JEEG19.2.113 . <http://jeeg.geoscienceworld.org/content/19/2/113.abstract>
7. Udo, E.A., Ilori, A.O., Charles, K. (2014). Parametric Characterization and Model Prediction of CBR Values of Stabilized Orukim Residual Soils, Akwa Ibom State.. *International Journal of Modern Engineering Research*. Vol 4. Issue 12 .December. pp 56- 65. http://www.ijmer.com/papers/Vol4_Issue12/Version-3/H0412_03-5665.pdf
8. Ilori, A.O. and Udo, E. A. (2015). Investigation of Geotechnical Properties of a Lateritic soil with saw dust ash. International Organization Scientific Research.- *Journal of Mechanical and civil Engineering*. Volume 12, Issue 1 Ver. I (Jan- Feb. 2015),

9. Akpan, A. E., Ilori, A. O., and Essien, N. U. (2015). Geophysical investigation of Obot Ekpo Landslide site, Cross River State, Nigeria. *Journal of African Earth Sciences*. 109 (2015) 154–167. [doi:10.1016/j.jafrearsci.2015.05.015](https://doi.org/10.1016/j.jafrearsci.2015.05.015) . Elsevier
10. Ilori, A. O. (2015). Geotechnical characterization of a highway route alignment with light weight Penetrometer(LRS 10),in Southeastern Nigeria. *International Journal of Geo-engineering*. Springer. <http://link.springer.com/article/10.1186/s40703-015-0007-2> ISSN: 2092-9196 (Print) 2198-2783 (Online). 25 Aug 2015. Volume 6, Issue 1, December 2015
11. Ilori., A.O. (2015). Evaluation of naturally occurring aggregates as subbase and subgrade construction materials in Akwa - Ibom State, Southeastern Nigeria. *Geotechnical and Geological Engineering*. Springer Vol 33. Number 6.. ISSN 0960-3182. <http://link.springer.com/article/10.1007/s10706-015-9971-8> (DOI) 10.1007/s10706-015-9971-8
12. Ilori, A. O., (2016). Occurrence of Shale Soils along the Calabar-Itu Highway, Southeastern Nigeria and their Implication for the Subgrade Construction. SpringerPlus 5:209 DOI 10.1186/s40064-016-1822-4 <http://www.springerplus.com/content/5/1/209>
13. Essien, N.E. Ilori. A.O. and Njoku, S.N (2016). Textural Characteristics and Depositional Processes of Sediments from a 47km Transect in the Niger Delta, Southern Nigeria. *Journal of Geography, Environment and Earth Science International*. 7(1): 1-11,; Article no.JGEESI.27919. www.sciencedomain.org
14. Ilori, A.O., Wadud, M.A., Ese,E.E. (2017). Georisk analysis of slopes bounding a deep gully erosion site in Uyo, Akwa-Ibom State, Southeastern Nigeria. *Journal of Innovative Infrastructure Solutions*. Springer. <https://link.springer.com/article/10.1007/s41062-017-0056-9>. DOI: 10.1007/s41062-017-0056-9. Issue 2: 8
15. Ilori, A.O., Okwueze , E.E., and Obianwu, V. I. 2010. Recent Applications of Geophysics in Civil Engineering. *Nigerian Society of Engineers Technical Transactions*. July - September. pp. 90 - 99. Volume 45.No 3. ISSN 11195363
16. Ilori, A.O. (2015). Current Trend in Compaction Engineering and Relevance to Highway Construction in Nigeria . *Nigerian Society of Engineers*

17. Ilori, A.O., Udoh, N.E., and Umenge, J. I (2017). Determination of soil shear properties on a soil-to-concrete interface using a direct shear box apparatus. *International Journal of Geo-Engineering*. Springer 8: 17.
<https://doi.org/10.1186/s40703-017-0055-x>.
18. Ilori, A.O. (2018). Assessing the unpaved shoulder of an airport runway for pavement construction using the lightweight penetrometer LRS 10. *Innovative Infrastructure Solutions*. 3:77 Springer. DOI: <https://doi.org/10.1007/s41062-018-0181-0>.
<https://link.springer.com/article/10.1007/s41062-018-0181-0>
19. Ilori, A.O., Kennedy, C., Kabari, G.S. (2018). Swelling Potential Reduction of Expansive Soils using Costaceae Lacerus Bagasse Fibre Ash and Lime. *International Journal of Civil and Structural Engineering Research*. Vol. 6, Issue 2, pp: (49-57).
<http://www.researchpublish.com/journal/IJCSE/Issue-2-October-2018-March-2019/0>
20. Ilori, A.O. (2019). Extracting some soil parameters and estimating elastic settlements from Direct shear box data for a granular C- Ø soil. *Springer Nature Applied Sciences Journal*. 1: 1309. <https://doi.org/10.1007/s42452-019-1347-x>
21. Ilori, A.O., Uko, C.E.A., Umoh, I.C. (2019). Local Geology, Shear Strength Properties, and Bearing Capacity of Coastal Plain Sands in Uyo Metropolis, Akwa-Ibom State, Southeastern Nigeria. *Journal of Engineering Research and Reports*, 8(4), 1-23. <https://doi.org/10.9734/jerr/2019/v8i416996>
22. Ilori, A.O., and Anusa, A. A..(2020). Geotechnical Characterization of the Subgrade on Some Rural Roads in Cross River State Nigeria, and the Influence of Geology *Journal of Engineering Research and Reports* 10(3), 27-39. <https://doi.org/10.9734/jerr/2020/v10i317041>
23. Ilori, A.O. (2020) Some compaction standards and quality of compacted soil. *World Journal of Engineering Research and Technology*. Vol.6 issue3 pp 13 - 31 www.wjert.org
http://wjert.org/admin/assets/article_issue/38042020/1588149056.pdf

Google Scholar site.

<https://scholar.google.com/citations?user=KwaKi-gAAAAJ&hl=en>

d) IN CONFERENCE PROCEEDINGS

1. Ilori, A.O., Okereke, C.S., and Edet, A.E. 2004. The Application of Shallow Seismic refraction and Penetration Tests for site investigation for an Airport extension in Calabar, Southeastern Nigeria. Conference on International Site Characterization; ISC'2 (Theme 5), Portugal. *Organized by the Technical Committee 16 of the International Society for Soil Mechanics and Geotechnical Engineering*. Millpress, Rotterdam, ISBN 90 5966 009 9.
2. Ilori., A.O., N.U. Essien, A.E. Edet, O.U. Akpan & O.O. Eminue. 2008. Geotechnical characterization of a 52 km electrical power transmission line alignment route in southeastern Nigeria. *Geotechnical and Geophysical Site Characterization Proceedings, Third International Conference on Site Characterization - ISC-3, Taipei, 01-04 April* An-Bin Huang and Paul W. Mayne, Eds. Taylor & Francis Group, London. pp 395- 400.

e) IN BOOKS

1. Ilori, A. O. 2008. Pile Capacity and Settlement Prediction *in* International Prediction Event. Behaviour of Bored , CFA and Driven Piles in Residual Soil. ISC'2 Experimental Site. (AntónioViana da Fonseca and Jaime A. Santos, eds.)pp. 175-192. SerSilito - Empresa Gráfica. Portugal. *Pile prediction event organized by Deep Foundation Committee of the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE)*. ISBN: 978-972-752-104

OTHER UNIVERSITY EXPERIENCE

Part-time lecturer in the Physics department of the University of Calabar since 2003 to date

CURRENT AREAS OF RESEARCH

Shallow Foundations - Settlements and bearing capacity.

Deep Foundations

Pavements and Pavement Foundations

Engineering Geophysics

FUTURE RESEARCH INTEREST

- Engineering Seismology-Investigative use of both P-wave and S-wave in Earthquake Engineering, Liquefaction studies

- Geotechnical aspects of Pavements and Pavement Foundations.(intelligent compaction systems)
- Deep Foundations - Non- destructive evaluation of deep foundations
- Geophysical applications in geotechnical engineering

OTHER RELATED PROFESSIONAL ACTIVITIES INCLUDES BUT NOT LIMITED TO;

1. Under the University of Uyo Consultancy Limited (UNIUYO CONSULT LTD). A member of the Technical team that carried out site investigation of Power line Route for Akwa Ibom State Independent Power Project starting from Ikot Abasi to Eket in Akwa Ibom State. (May -July 2005).
2. Under Nigerian Society of Engineers, Calabar Branch, the Geotechnical investigation of Marian Road Dualization Project in Calabar, Cross River State (October 2003).
3. Foundation Site investigation for proposed Power Chapel International Multi-storey (eight floors) Building in Uyo involving field testing with Cone penetrometer (CPT) and laboratory work
4. An associate in the Geotechnical investigation of proposed Nkari Dam Site in Ikono, Akwa Ibom by Cross River Basin Development Authority. The work involved extensive collection of field samples for various laboratory tests required to characterized the foundation of the proposed dam
5. Design of complete water treatment scheme treatment Scheme for three communities (Mfamosing, Aparabong, and Okoyong) in Cross river state-NDDC projects. August, 2005.
6. Site investigation for proposed elevated water reservoirs by NDDC in eight locations in Akwa Ibom state. December, 2007 to June, 2008.
7. Under University of Uyo Consultancy Limited, Design of Shoreline Protection Works for Effiat Communities (Esuk Ewang, Ibout Utan, Utan Effiong, Utan Iyata) in Mbo Local Government Area of Akwa Ibom State. Client was Ministry of Niger Delta Affairs, Abuja. June, 2009- 2012
8. Geotechnical characterization of highway alignment from Uyo - Ikot-Ekpene - Aba , Southeastern Nigeria, for idealization project. January, - October, 2013. The investigation involved among others, the use of light weight penetrometer (LRS) as part of the field tools use to characterize the soil along the road alignment. Also

digging of 55 trial pits from samples were collected for various types of laboratory tests.

9. Design and supervision of geotechnical investigation programme works for proposed Uyo International worship center complex by Akwa _Ibom State government. July 2017. The work involve 36 Standard Penetration Tests (SPTs) and 40 Cone Penetration Tests (CPTs).

Computer Literate and could write softwares (geophysics and Geotechnical) with Excel spreadsheet and can work with other Microsoft packages e.g. Microsoft Word. Also proficient in the use different types of Geophysics and civil Engineering Design softwares.

NAMES AND ADDRESSES OF REFEREES

1. Professor Victor I. Obianwu
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(Geophysics Unit)
University Of Calabar
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2. Prof, A. E. Edet
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University of Uyo.
Uyo.
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