

CURRICULUM VITAE

1 **NAME:** Nwilo, Peter Chigozie

2 **DATE OF BIRTH:** 15:02:54

3 **MARITAL STATUS:** Married

4 **NAME OF WIFE:** Nwilo, Adaobi Augustina

5 **NO. OF CHILDREN:** Two

6 **PERMANENT HOME ADDRESS:** Amolu Village, Adazi Nnukwu, Anaocha Local Govt., Area, Anambra State, Nigeria.

7 **OFFICE ADDRESS:** Department of Surveying, University of Lagos, Akoka - Lagos, Nigeria. Tel. 234 – 1 – 4932660-1 Ext. 1865; Fax: 234 – 1 – 2692492; E-mail: pcnwilo@hotmail.com & pcnwilo@yahoo.com

8 UNIVERSITY EDUCATION AND CERTIFICATES:

University of Lagos, Lagos (1975-1980), (1983-1985); B.Sc. (Hons) Surveying (1980) & M.Sc (Hons) Surveying (1985).

University of Salford, Salford, United Kingdom (1992-1995); PhD Environmental Resources (1995)

9 PROFESSIONAL QUALIFICATIONS:

- (i) Registered Surveyor of the Federal Republic of Nigeria; 1990 to date.
- (ii) Member, Nigerian Institution of Surveyors; 1995 to date
- (iii) Member, Nigerian Association of Geodesy; 1990 to date
- (iv) Member, American Geophysical Union; 1999 to date.
- (v) Associate Member, International Association of Hydrological Sciences, 1998 to date.
- (vi) Member, African Association of the Remote Sensing of Environment., 1998 to date
- (vii) Member, Leadership Institute of Nigeria, 2000 to date.
- (viii) Member, Geoinformation Society of Nigeria, 2003 - Date

10 ACADEMIC DISTINCTIONS:

- (i) Eastern Nigerian Regional/East Central State Scholarship award for Secondary Schools (1966 - 1972).

- (ii) Federal Government of Nigeria Scholarship for B.Sc. Surveying programme at the University of Lagos (1975 - 1980).
- (iii) Federal Government of Nigeria Scholarship Award for M.Sc. Surveying programme at the University of Lagos (1983 - 1985).
- (iv) European Community Split Programme Fellowship Award for Ph.D at the University of Salford, UK (1992 - 1995).

11 WORK EXPERIENCE

General

I have had held appointments in the following places:

- (i) Aniyom Surveys, St. Michael's Street, Aba (June-Sept, 1977); as an assistant surveyor in the topographic survey of the Ikom Military Cantonment, Ikom, Nigeria.
- (ii) A. Lakanu & Co. Surveys, Anifowoshe, Ikeja, Lagos - Nigeria (June-Sept., 1978) & (March-Sept., 1979); assistant surveyor in the mapping of the River Niger for dredging purposes & location survey of the Ologbo Oil field.
- (iii) Survey Division, Sokoto State, Nigeria (Aug., 1980 - July, 1981); National Youth Service Corps Programme. During this period, I participated in the establishment of controls for mapping purposes.
- (iv) Surveyor, Ministry of Defence, Lagos. (24 September 1981 – 1 May 1989). During this period, I carried out the following duties:
 - Topographic and acquisition surveys of many Airforce barracks in Nigeria including the Kanji, Ikeja and Kano Airforce bases;
 - Acquisition and Cadastral surveys of AirForce land at Enugu, Port Harcourt and Calabar;
 - Airport design surveys for Kainji Airforce Base
- (iv) Lecturer II (1989 – 1991); Department of Surveying, Faculty of Engineering, university of Lagos.
- (v) Lecturer I (1991- 1995); Department of Surveying, Faculty of Engineering, university of Lagos.
- (vi) Snr. Lecturer (1995 to October, 1999); Department of Surveying, Faculty of Engineering, university of Lagos.
- (vii) Associate Professor (October, 1999 to Date); Department of Surveying & Geoinformatics, Faculty of Engineering, University of Lagos.
- (viii) General Manager (as a Consultant/Head); Research, Planning & Environmental Department, National Inland Waterways Authority, Lokoja (January 7, 2002 – January 6, 2003). I came into the National Inland

Waterways authority on one-year sabbatical leave. My main responsibilities during the period are:

- (i) To assist in the setting up of the new department;
- (ii) To give the give the new department a clear vision;
- (iii) To formulate the research, planning and environmental thrusts of the new department.
- (iv) To organize workshops and conferences in the area of interests of the Authority

All the above responsibilities were achieved. I was able to work a out memorandum of understanding between the National Inland Waterways Authority and the German Inland Waterways. I also put in motion the process of MOU between the Inland Waterways and the US Army Corps of Engineers. Furthermore, I organized a workshop on Strategies for the Management of Pollution and Sedimentation in the Nigerian Inland Waterways; the outcome of which was a book, which I was one of the editors.

Consultancy

- (i) National Expert, GIS in the Gulf of Guinea Large marine Ecosystem project from May 1997 – April 1999. This is a Global Environment Facility (GEF) funded programme and managed by the United Nations Development Organisation. In this project, I carried out the following duties:
 - gathered GIS data/information that would be relevant in the execution of the Gulf of Guinea Large Marine Ecosystem Project;
 - inputted data on the living resources of the coastal areas of Nigeria in a GIS environment;
 - established collaboration with agencies that deal digital spatial data in Nigeria particularly Agencies operating on the coastal areas of Nigerian;
 - trained other national experts on the use of GIS as a decision support system;
 - established GIS as a strong component of coastal of management module in Nigeria; and
 - other duties assigned by the director.
- (iii.) Consultant to Unilag Consult, University of Lagos, Lagos on Offshore Engineering Training Programme for Shell Petroleum Development Company of Nigeria (1998). As a consultant, I delivered lectures to Shell Engineers on the impacts of sea level variations on offshore structures
- (iv) Consultant to Unilag Consult on the Geophysical Surveys of the Katsina Ala River for hydropower generation (1994). As a consultant, I was responsible for determining the coordinates of geophone points.

- (v) Consultant to Goldland Management Company in a World Bank funded preliminary study on the environmental oil products pricing policy in Nigeria (1997).
- (vi) Consultant to Saun Engineers, 26 Comfort Street Maryland on EIA of Gas flaring in the Niger-delta between 1991 – 1995. I provided plans, location information, river current data and bathymetric data for the study.
- (vii) Consultant to Shell Petroleum Dev. Co., Marina, Lagos in the Monitoring of tide gauge stability in Lagos area, Dec, 1991. As a consultant, I led a team of surveyors in the monitoring of the monitoring of tide gauge stability.
- (viii) Consultant to Shell Petroleum Dev. Co., Marina in the Lagos. I was one of the experts that did a project on the determination of geoidal undulations for the Southern Nigeria, March 1992 - June 1992.
- (ix) One of the Experts on the EC/Nigeria Coastal Erosion and Subsidence Study between June 1991 – September 1992. During this period, a lot of baseline data were collected for the study from different sources for the study.
- (x) Consultant to Danz Surveys, 24 Oyekan Street, Surulere - Lagos on Storm Water Studies in Lagos State of Nigeria from 1990 - 1991.
- (xi) Member, Group of experts to review the Intergovernmental Panel on Climate Change, Working Group II.A8. Coastal Zones and Small Islands, 1995. My responsibility was to review the above material and make necessary recommendations.
- (xii) Coode Blizard Limited; Hydrogeological Investigation of Lagos State - Connection of the Lagos State water Corporation designated boreholes to the national vertical datum, 1996.Editorial.
- (xiii) One of the Consultants to Mobil on the Medium Scale Mapping of Coastal Communities Impacted by the Idoho Oil Spill of January 1998.
- (xiv) Consultant to Unilag Consult on Tidal Predictions and Datum Harmonisation in Shell Coastal Operational Areas (1999/2000). This project was brought to Unilag Consult by myself and two Professors in my department. This project has been completed.
- (xv) Consultant to Unilag Consult on Anambra State Mapping (2000 - 2001)

- (xvi) UNIDO Consultant on Environment and Energy Information System for Nigeria. This is project to be funded by the Global Environment Facility (GEF). It is currently at the proposal stage.
- (xvii) Federal Surveys Consultant on the Adjustment of the Nigerian Geodetic Network.
- (xxii) Consultant to Unilag Consult on Pipeline Right of Way Topographic and Bathymetric Survey for PPMC in Lagos and Ondo areas
- (xxiii) UNIDO International Consultant on Environmental Information Management for Coastal Tourism (August 15 – December 15, 2004).
- (xxiv) Regional Expert on EIMS for the Guinea Current Large Marine Ecosystem Project and Coordinator of the GCLME/UNILAG Centre for EIMS (February 2005 to Date).

In this capacity, I have:

- i. Developed a SDI metadata for the Region. This is already on the NOAA LME website; developed several databases and GIS for the GCLME region including impacts of oil activities on biodiversity of the Niger Delta; erosion hotspots in the Region; and mangroves of the GCLME Region.
 - ii. Attracted 22 ArcGIS 9.1 licenses to the Centre in 2006;
 - iii. Attracted several important personalities; and
 - iv. Attracted Landsat imageries for Africa from UNEP to the Centre; and
 - v. Managed the Centre for EIMS in a sustainable manner and brought credibility to the activities of the Centre.
- (xxxv) Coordinated ICS-UNIDO/GCLME/UNILAG Regional Training Workshop on “The Application of GIS in Formulation and Implementation of Integrated Coastal Area Management Plans in Guinea Current Region”.
 - (xxxvi) Coordinator, GCLME/UNILAG EIMS Centre, University of Lagos, Lagos. As

Editorial Board Membership

- (i) Member, Honourary Editorial Advisory Board of the Encyclopaedia of Life Support System (for the section on Environmental Management). Part of my responsibility is to prepare the table of contents and review materials submitted for the project.
- (ii) Member, Editorial Board, International Journal of Environmental Education and Information, University of Salford, Salford, United

Kingdom. My function is to participate in the deliberation of the board and to review materials submitted for publication.

- (iii) Member, Editorial Advisory Board (Environmental Issues), Infotech Today, Oregun Road, Ikeja – Lagos, Nigeria. My responsibility is to review materials submitted for publication; attend Board meetings and advise the Management on the relevant thrusts of their publications.
- (iv) Member, Group of experts to review the Intergovernmental Panel on Climate Change, Working Group II.A8. Coastal Zones and Small Islands, 1995. My responsibility was to review the above material and make necessary recommendations.
- (v) Member, Nigerian Institution of Surveyors AGM Technical Editorial Committee, 2000 to date.
- (vi) Local Organising Secretary, 4th African Association for the remote Sensing of the Environment International Conference (AARSE/Abuja International Conference (September, 2001 – Date).
- (vii) Coordinator, NIWA/UNIDO Workshop on Sediment and pollution Sources in the Nigerian Waterways (22 – 24 October, 2002).
- (viii) Chairman, Education Committee of Geoinformation Committee of Geoinformation Society of Nigeria (GEOSON), 2003 - Date

12 PROJECT SUPERVISION

I have supervised over 65 B.Sc. candidates (1989 – date); 8 PGD candidates; 25 M.Sc. candidates (1996 – date) and currently I am supervising 5 Ph.D candidates.

13. CURRENT RESEARCHES:

- i. Integrated Assessment of Niger Delta Environment using Satellite Imageries. This is a research work funded by the Nigerian Space Research and Development Agency and is done in collaboration with the University of Missouri, Kansas City, USA, Map & Image Systems LTD, Warri & the Integrated Geospatial & Environment Foundation, Port Harcourt.
- ii. Development of the A Gravimetric Geoid for Nigeria. This is again a NASRDA funded Research Project and is being carried out by the Geodesy Group, University of Lagos which I am a member.
- iii. Development of a Lagos Coastal Zone Information System.
- iv. Development of an Oil Spill Simulation Model for the Nigerian Coast. This is a research work being carried out with Mr. O.T. Badejo of the department of Surveying and Geoinformatics, University of Lagos. We are in the process of working out collaboration with the US Navy on Applications Remote Sensing to Oil Spill Problems in the EEZ Zone of the Gulf of Guinea Countries.

v. Study of the Mangroves of West and Central Africa Using Landsat Imageries. This research is on going at the GCLME/UNILAG Centre for EIMS. Taking advantage of the mangrove signals from imageries and using Landsat imageries of 20001 – 2002, the mangroves of West and Central Africa are being extracted using ERDAS 9.1, ENVI 4.3 software and ArcGIS 9.1. This will be a major contribution to available information on the Global mangrove.

vi. Data Discovery and Metadata for the Guinea Current Region. This project is supported by the GCLME Project and the GSDI Small grants

13 PREVIOUS RESEARCHES:

- (i) Astro-geodetic determination of the vertical in Nigeria, B. Sc project report, Department of Surveying, University of Lagos, Lagos, 1980.
- (ii) Least squares adjustment of a part of the Nigerian levelling network, M.Sc. project report, Department of Surveying, University of Lagos, Lagos, Nigeria, 1985.
- (iii) Monitoring & analysis of the stability of the Jebba dam, Nigeria., 1995.
- (iv) Monitoring of Salinity variation in Lagos Lagoon, 1997 to 1998.
- (v) Sea level variations and the impacts along the Nigerian Coastal areas, Ph.D. thesis, University of Salford, Salford, and UK, 1995.
- (vi) Impact of Concentration of High Rise Structures in the Barrier Island of Lagos., 1997- 1998.
- (vii) Determination of vertical datum for Nigeria using tidal data, 1992 – 1996
- (viii) Development of a solid mineral database for Nigeria.

15 THESIS & PROJECTS REPORTS

Nwilo, P.C. 1980: Astro-geodetic determination of the vertical in Nigeria, BSc project report, Department of Surveying, University of Lagos, Lagos .

Nwilo, P.C. 1985: Least squares adjustment of a part of the Nigerian leveling network, M. Sc. project report, Department of Surveying, University of Lagos, Lagos, Nigeria.

- (iii) Nwilo, P.C., 1995: Sea Level Variations and the Impacts along the Coastal Areas of Nigeria. PhD Thesis, University of Salford, Salford, United Kingdom.

16 PUBLICATIONS IN JOURNALS

- (i) Fajemirokun, F.A., & Nwilo, P.C. 1994: Strategies for the Survival of indigenous survey firms for the future. The Mapmaker, vol. 11, no. 1.

- (ii) Nwilo, P.C. & Pugh Thomas, M., 1994. Coastal Erosion in Anambra State of Nigeria: Causes and Effects. *International Journal of Environmental Education*, Vol. 13, No. 3.
- (iii) Nwilo, P. C. 2000: Impacts of Sea Level Rise on the Nigerian Coast. *International Journal of Environmental Education and Information*, Vol. 19, No. 1.
- (iv) Nwilo, P.C., Peters, K.O. & Badejo, O.T. 2000: Development of a Lagos Coastal Information System. *Environmental Review*, Vol. 3, No. 2.
- (v) Ezeigbo, C.U., Fajemirokun, F.A., Nwilo, P.C. & James, G.K. 2002: Tidal Analysis and Prediction in the Niger Delta. *Journal of Engineering Research*, vol.10, no.1 & 2. pp 23 – 44.
- (vi) Ukwe, C.N., Ibe C.A., Nwilo, P.C. & Huidoro, P.A. 2006: Contributing to the WSSD Targets on Oceans and Coasts in West and Central Africa: The Guinea Current Large Marine Ecosystem Project. *International Journal of Oceans and Oceanography*, ISSN 0973 – 2667 Vol. 1 No. 1., pp 21 – 44.
- (vii) Idowu, T.O., Nwilo, P.C., Ezeigbo, C.U. & Fajemirokun, F.A. 2006: Determination of Optimum Residual Anomalies for Mineral Exploration – A Least Squares Collocation Approach. Accepted for publication in the *Survey Review*.
- viii) Nwilo, P.C., Fajemirokun, F.A., & Ezeigbo, C.U. 2007: A study of the Transformation Procedures for Nigerian Geodetic Network. Accepted for publication in *African Geodetic Journal* no. 1, vol. 1.
- ix.) Ezeigbo, C.U., Fajemirokun, F.A., Nwilo, P.C. , Ayodele, E.G., & Oyewusi, A.M. 2007:analysis of some Factors that affect the Accuracy of the Gravimetric Geoid Determination in Nigeria. Accepted for publication in *African Geodetic Journal* no. 1, vol. 1.
- x.) James G., K., Adegoke, J., Ekechukwu, S., Nwilo, P.C., Akinyede, J., 2007: Satellite Based Assessment of the Extent and Changes in the Mangrove Ecosystem of the Niger Delta. Accepted for Publication in the *Journal of Marine Geodesy*.

17a CONTRIBUTIONS TO REFEREED BOOKS (INTERNATIONAL)

- (i) Nwilo, P.C. 1997: Managing the Impacts of Storm surges on Victoria Island, Lagos - Nigeria. In: Leavesley, G.H., Lins, H.F. , Nobilis, F., Parker R.S., Schneider, V.R., & van de Ven, F.H.N. (Eds), *Destructive Waters: Water Caused Natural Disasters - Their Abatement and Control*. IAHS Publ. No. 239, 1997. Pp 235 – 330.

(ii) Nwilo, P.C. 2004: GIS Applications in Coastal Management: A View from the Developing World. In D. Bartlett & J. Smith (eds.) GIS Applications for Coastal Zone Management. CRC Press, Boca Baton, USA.

(iii) Nwilo, P.C. & Badejo, O.T. 2006: Impacts and Management of Oil Spill Pollution along the Nigerian Coastal Areas. In: M. Sutherland & Sue Nichols, Administrating Marine Spaces: International Issues. A Publication of the International Federation of Surveyors (FIG), ISBN 87-90907 – 55-8. International Federation of Surveyors, Denmark.

17b CONTRIBUTIONS TO REFERRED BOOKS (LOCAL)

(i) Nwilo, P.C. & Eyo, E.E., 2006: Liability as a Legal Issue in Geographic Information System Development in Nigeria. In: Ayeni, O.O *et al.* (eds), Geoinformation for Sustainable Development in Africa. Pp99 – 106.

(ii) Nwilo, P.C. & Osanwuta, D.A., 2006: Spatial Infrastructure for Mineral Development in Nigeria. In: Ayeni *et al.* Geoinformation for Sustainable Development in Africa. Pp115 – 120.

(iii) Nwilo, P.C. & Eyo, E.E., 2006: Roles of Public Institutions in Spatial Infrastructure Development in Nigeria. In: Ayeni *et al.* Geoinformation for Sustainable Development in Africa. Pp121 – 127.

(iv) Nwilo, P.C. & Badejo, O.T. 2006: Surveying & Geoinformatics Curriculum Development in Nigeria. In: Ayeni *et al.* Geoinformation for Sustainable Development in Africa. Pp397 – 403.

(v) Nwilo, P.C., Onyeka, E.C., Onojeghuo, A.O., 2006: Implementation of an Automated Land Information System in Festac Town, Lagos. In: Ayeni *et al.* Geoinformation for Sustainable Development in Africa. Pp511 – 517.

(vi) Nwilo, P.C. 1998: Ground Survey Methods. In C.U. Ezeigbo (ed.), Principles and Applications of Geographic Information Systems. Surveying and Geoinformatics Series. Pp 105 – 122.

(vii) Nwilo, P.C. 2001: Legislative Issues in Surveying & Mapping in a Digital Environment in Nigeria. In N.K. Ndukwe (Ed.), Digital Technology in Surveying & Mapping Principles, Applications & Legislative Issues. Rhyce Kerex Publishers, Enugu.

viii) Ezeigbo, C.U., Fajemirokun, F.A. Nwilo, P.C. & James, J.K., 2003: Determination of Tidal Characteristics of Rivers in the Niger Delta. In: A.C. Ibe, C.N. Ukwe, & P.C. Nwilo (eds). Proceedings of the Workshop on Sediment and Pollution Sources in the Nigerian Inland Waterways and their Management

Strategies, UNIDO Publications ISBN No. SBN No.978-017-638-1. UNILAG Press, Lagos.

(ix) Nwilo, P. C. & Badejo, O. T. 2002: Impacts of Oil Spill along the Nigeria Coastal Areas. In: A.C. Ibe, C.N. Ukwe, & P.C. Nwilo (eds). Proceedings of the Workshop on Sediment and Pollution Sources in the Nigerian Inland Waterways and their Management Strategies, UNIDO Publications ISBN No. SBN No.978-017-638-1. UNILAG Press, Lagos.

(x) Achinivu, O. K., Nwilo, P. C., Ozoadibe, S. A., Osanwuta, D. A., Onojeghuo, A. O., 2002: Integration of GIS and Multimedia Elements for Monitoring of Water Hyacinth Infestation on Ondo Coastal Waters of Nigeria. In: A.C. Ibe, C.N. Ukwe, & P.C. Nwilo (eds). Proceedings of the Workshop on Sediment and Pollution Sources in the Nigerian Inland Waterways and their Management Strategies, UNIDO Publications ISBN No. SBN No.978-017-638-1. UNILAG Press, Lagos.

(xi) Nwilo, P.C. 2002: Establishing an Efficient Environmental Management Information System for the West and Central African Region. In: Ibe, A.C., Alo, B.I., Csizer, Z., Yumkella, K.K., Ukwe, C.N., & Eisa, M. (eds), Environmentally Sustainable Development in West and Central African Region. UNIDO Publication ISBN 978 – 017 631 4. UNILAG Press, Lagos.

(xii) Nwilo, P.C. 1999: Training of Surveyors in Nigeria: Future Directions. In C.U. Ezeigbo, O.O. Ayeni, F.A. Fajemirokun & P.C. Nwilo (eds.) Proceedings of the Workshop on Surveying and Spatial Information Technology (SSIT): Issues of Name, Concept and Function. Pp 73 – 78.

18a REFEREED INTERNATIONAL PROCEEDINGS:

(i) Nwilo, P.C. & Onuoha, A. 1993: Environmental impact of human activities on the coastal areas of Nigeria. In L.F. Awosika, A.C. Ibe and P. Schroader Coastlines of Western Africa, ASCE. Pp. 222 – 233.

(ii) Nwilo, P.C., Onuoha A.E., & Pugh Thomas, M., 1995. Monitoring Sea level/Relative Sea Level Rise in a Developing Country - The Nigerian Experience. Intergovernmental Oceanographic Commission (IOC) of UNESCO Workshop Report No. 105 Supplement. In: Duursma, E. (Ed.) Proceedings of the International Conference on Coastal Change 95, Bordeaux France. 10 – 16 February. Pp 733 - 737.

(iii.) Onuoha, A.E., Nwilo, P.C., & Pugh Thomas, M. 1995: Coastal Change Management Education in Developing Countries. Intergovernmental Oceanographic Commission (IOC) of UNESCO Workshop Report No. 105

Supplement. In: Duursma, E. (Ed.) International Conference on Coastal Change 95, Bordeaux, France. Pp 24 – 31.

(iv) Nwilo, P.C., Peters, K.O. & Badejo, O.T., 2000: New Training Mandates for Surveying and Geoinformatics Institutions in Nigeria. In Beek K.J and Molenaar M. (Ed.), Proceedings of the XIX ISPRS Conference, Amsterdam, Netherlands, 18-23, July.

(v) Nwilo, P.C. & Osanwuta, D.A. 2001: Geoinformation and Internet as Strategies for a Sustainable Marketing of the Nigerian Mineral Resources. In Ryttersgaard, J. & Njuguna, H.K. (Eds.), Proceedings of the FIG International Conference on Spatial Information for Sustainable Development, Nairobi, Kenya. 2 - 5 October. TS12.1.

(vi) Nwilo, P.C. & Adebisi, A. 2001: Mandatory Development Programme in Surveying. In Ryttersgaard, J. & Njuguna, H.K. (Eds.), Proceedings of the FIG International Conference on Spatial Information for Sustainable Development, Nairobi, Kenya. 2 - 5 October. TS15.3

(vii) Fajemirokun, F.A., Nwilo, P.C. & Badejo, O.T., 2002: Geomatics Education in Nigeria. In Proceedings of FIG XXII International Congress, Washington, D.C. USA, 19 – 26 April. TS2.8.

(viii) Osanwuta, D.A. & Nwilo, P.C. 2003: Capacity Building for Integrated Coastal Areas Management (ICAM) in Nigeria. E. Roccatagliata, G. Saio, P. Salmona & A. Vallega (eds), Proceedings of CoastGIS 2003, Genova, Italy, 16 – 18 October.

(ix) Nwilo, P.C. 2003: Spatial Data Infrastructure: An Imperative in the management of the Resources of the Niger Delta. E. Roccatagliata, G. Saio, P. Salmona & A. Vallega (eds), Proceedings of CoastGIS 2003, Genova, Italy, 16 – 18 October.

(x) Nwilo, P. C. & Osanwuta, D. A. 2003: Knowledge Sharing as a Tool for Professional Development in Surveying and Geoinformatics in Nigeria. Proceedings of the FIG Working Week 2003 (TS18.2), Paris. April 13 - 17.

(xi) Nwilo, P.C. & Osanwuta, D.A. 2004: National Spatial Data Infrastructure for Nigeria: Issues To Be Considered. In Proceedings of FIG Working Week 2004, Athens, 22 – 27 May.

- (xii) Nwilo, P.C. & Osanwuta, D.A. 2004: Surveying and Geoinformatics in Africa: Problems and Prospects. In Proceedings of FIG Working Week 2004, Athens, 22 – 27 May.
- (xiii) Nwilo, P.C. & Youngu, T.T., 2007: Data Discovery & Metadata for the Guinea Current Region. Proceeding of 5th Africa GIS, Ouagadougou, 17 – 21 September 2007.

18b REFERRED LOCAL CONFERENCE PROCEEDINGS

- (i) Fajemirokun, F.A. & Nwilo, P.C., 1996: An Overview of the Surveying and Mapping Activities in Nigeria and Future Prospects. In: Fajemirokun, F.A. (Ed.). Proceedings of the Technical Session of the 31st Annual General Meeting and Conference, Ibadan, April 17 – 19. Pp. 1 - 10.
- (ii) Nwilo, P.C. 1997: Implementation of an Integrated Coastal Zone Management Policy for Nigeria. In: Fajemirokun, F.A. (Ed.). Proceedings of the Technical Session of the 32nd Annual General Meeting and Conference, Uyo, May 7 – 9. Pp 72 – 76.
- (iii) Fajemirokun F.A. & Nwilo, P.C. 1997: Deformation and Stability monitoring by Geodetic Techniques: A case study of the National Theatre and The University of Lagos Senate House. In: Fajemirokun, F.A. (Ed.). Proceedings of the Technical Session of the 32nd Annual General Meeting and Conference, Uyo, May, 7 – 9. Pp 46 – 49.
- (iv) Ezeigbo, C.U. & Nwilo, P.C. 1997: Geodetic Monitoring Techniques for Deformations and displacements of Large Engineering Structures and Subsidence in Mine Fields. In: Proceedings of the 1997 Research Retreat of the Faculty of Engineering, University of Lagos. Eds: V.O.S Olunloyo, O. Ibidapo-Obe and C.U. Ezeigbo.
- (v) Nwilo, P.C. 1997: Development of A Lagos Coastal Zone Information System. In: Proceedings of the 1997 Research Retreat of the Faculty of Engineering, University of Lagos. Eds: V.O.S Olunloyo, O. Ibidapo-Obe and C.U. Ezeigbo
- (vi) Nwilo, P.C. 1998: Mapping Policy for the Nigerian Coastal Areas. In: Fajemirokun, F.A. (Ed.) Proceedings of the Technical Session of the 33rd Annual General Meeting and Conference, Ilorin.. 22 - 24 April. Pp 61 – 67.
- (vii) Nwilo, P. C., Ngeh, W. & Badejo, O.T., 1999: Legal Issues in Geographic Information System. In: Fajemirokun, F.A. (Ed.) Proceedings of the NIS AGM and Conference, Awka, April 28 – 30. Pp 12 – 16.

- (viii) Nwilo, P.C., Peters, K.O & Badejo, O.T. 2000: Geoinformatics as a Tool for Facilities Management. In: Fajemirokun, F.A. (Eds) Proceedings of Technical Session of the NIS 35th AGM & Conference, Benin. Pp 39 – 50.
- (ix) Fajemirokun, F.A. & Nwilo, P.C. 2000: Surveying Practice In Nigerian: Strategies for Survival in the New Millennium. In: Fajemirokun, F.A. (Ed). Proceedings of Technical Session of the NIS 35th AGM & Conference, Benin, 26 – 28 April. Pp 13 – 21.
- (x) Nwilo, P.C. & Adebisi, A.O. 2001: Maps and Map Data as Tools for Monitoring the Nigerian Borders. In: Abiodun, T. (Ed.) Proceedings of Technical Session of the NIS 36th AGM & Conference, Minna, 30 May - 1 June. Pp 5 – 8.
- (xi) Nwilo, P.C. & Badejo, O.T. 2001: Automated Census Mapping for Nigeria. In: Abiodun, T. (Ed.). Proceedings of Technical Session of the NIS 36th AGM & Conference, Minna, 30 May - 1 June. Pp. 14 – 20.
- (xiv) Egberongbe, F. O. A., Nwilo., and Odunsi, H. O. (2003). “Application of Geoinformatics to the Management of Dredging Activities in the Niger Delta”. In: P.C. Nwilo, N.O. Uluocha, N. O. and D.N. Saka (eds), Application of Geoinformation to the Development and Management of Nigeria’s Resources. Proceedings of the 1st Geoinformation Society of Nigeria Conference. pp. 45 -56.
- (xv) Nwilo,P.C. & Eyo, E. E. 2003: Prospects for Geoinformatics Markets in Nigeria. In: P.C. Nwilo, N.O. Uluocha, N. O. and D.N. Saka (eds), Application of Geoinformation to the Development and Management of Nigeria’s Resources. Proceedings of the 1st Geoinformation Society of Nigeria Conference. pp. 45 -56.
- xvi) Nwilo, P.C. 2005: Subsidence Monitoring and Management on the Niger Delta. A Paper delivered as a Guest Lecturer to the Staff of Centre for Geodesy and Geodynamics, Toro – Nigeria, 29 October 2005.

19 OTHER PUBLICATIONS

- (i) Ezeigbo, C.U. & Nwilo, P.C. 1990: Geodetic Techniques for vertical Crustal motion study. A paper presented at the A.G.M/Conference of Nigerian Institution of Surveyors, held at Kano, May.
- (ii) Fajemirokun, F.A. & Nwilo, P.C. 1990: Status of the Nigerian Geodetic Levelling Network. In proceeding of the symposium for Geodesy in Africa held in Tunis, Tunisia, May, 21 - 27.

- (iii) Fajemirokun F.A. & Nwilo, P.C. 1990: Ground controls towards effective mapping policy. A paper presented at a symposium on contribution of photogrammetry and remote sensing to National Development, University of Lagos, Lagos, June.
- (iv) Fajemirokun , F.A. & Nwilo, P.C. 1990. The Adoption of UTM Projection System for Surveying and Mapping in Nigeria: An Adoption Appraisal. An invited paper presented at a Workshop on Projection Systems as applied to Surveying and Mapping in Nigeria, Oyo, Aug.
- (v) Fajemirokun, F.A. & Egberongbe F.O.A., Ekpeyong J.F., Orupabo, S., Nwilo, P.C., Omobuwajo, M., Asangwe, C.K., and Ogukunle, O.J., 1991. Documentation of Coastal Erosion Studies for the Ondo Coastal Area: In First Technical Report on Nigeria/ECC Coastal Erosion and Subsidence Studies.
- (vi) Fajemirokun, F.A. & Egberongbe F.O.A., Ekpeyong J.F., Orupabo, S., Nwilo, P.C., Omobuwajo, M., Asangwe, C.K., and Ogukunle, O.J., 1991. Report of the Reconnaissance survey of the Nigerian Coastal Area. In Second Technical Report on Nigeria/EEC Coastal Erosion and Subsidence.
- (vii) Nwilo, P.C. 1996: Managing the Niger Delta Environment for Sustainable Development. A Paper accepted for presentation at Coastal Zone' 96, Rimouski - Canada. Aug. 9 - 16.
- (ix) Ezeigbo C.C., Nwilo, P.C., Okeke, B.O. & Ifechukwu, J.O.A. 1996: Environmental Impact of Road Construction Project - A Case Study of Oba - Okigwe. A Final Research Report submitted to NEST/FORD Foundation. 38p.
- x) Nwilo, P.C. & Badejo, O .T. 2001: Impacts of Oil Spill on the Nigerian Coastal Areas. Accepted for presentation at the 1st International Congress on Petroleum Contaminated Soil, Sediments and Water. London, 14 - 17 August.
- xi) Nwilo, P.C. & Badejo, O.T. 2001: Surveying & Geoinformatics Development in Nigeria. A Paper Accepted for presentation at the FIG conference in Nairobi, Kenya. 2 - 5 October.

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BOOKS EDITED

- (i) Ayeni, O.O., Nwilo, P.C., O. Omojola & Olaleye, J.B. 2006: Geoinformation for Sustainable Development in Africa.
- (ii) Ibe A. C., Nwilo, P. C Ukwe, C. (eds). Proceedings of the Workshop on Sediment and Pollution Sources in the Nigerian Inland Waterways and their Management Strategies, UNIDO Publications ISBN No. UNILAG Press, Lagos.

(iii) Ayeni, O.O., Fajemirokun & P.C. Nwilo (eds.) Proceedings of the Workshop on Surveying and Spatial Information Technology (SSIT): Issues of Name, Concept and Function.. Panaf Press, Lagos

(iv) Nwilo, P.C., Uluocha, N. O. and Saka, D.N: 2004: Application of Geoinformation to the Development and Management of Nigeria's Resources. Proceedings of the 1st Geoinformation Society of Nigeria Conference.

21 MOST IMPORTANT MATERIALS AND PUBLICATIONS

i. My Ph.D thesis is a very important work on sea level variations on the Coastal Areas of Nigeria. Many types of variations hitherto unknown were discovered.

ii. Our work on Geoid is again a very novel work. This a very original work on Geoid. We plan to improve on this work when more data are available.

iii. Our work on Data Discovery and Metadata for the GCLME Region is again another beautiful source of information on SDI metadata for the Region. It can provide information on sources of information in the region for researches and projects. We won a small grants award of the GSDI for this work in 2007.

22 CONFERENCES, WORKSHOPS AND MEETINGS ATTENDED:

(i) Annual General Meeting and Conference of the Nigerian Institution of Surveyors (1985 - 1994)

(ii) Symposium on GPS held at the University of Lagos May, 1990.

(iii) International Conference on Coastal Change, Bordeaux - France, 30 Sept. to 3rd Oct., 1992.

(iv) Littoral 94 Conference in Lisbon, September 21 - 26, 1994.

(v) Coastal Change 95, Bordeaux, France, February 6 - 10, 1995. (Co-Chairman of the viii session at the conference).

(vi) Workshop on Upwelling Systems at the European Institute for Advanced Studies in Oceanography, Las Palmas de Grande Canaria, 9 - 10 August.

(vii) AGM/Conference of the Nigerian Institution of Surveyors held at Ibadan, April 17 - 19, 1995.

(viii) Seminar on Application of GIS to Coastal and Marine issues in Gulf of Guinea - LME/UNIDO Project held at the University of Cocody, Abidjan, 18 - 21 February, 1997.

(ix) UNESCO/IOC/UNIDO/EU/NOAA/MOE/MEST/CSIR organised International Workshop on Global Oceanographic Data Archeology and Rescue Project (GODAR-VI) held at STEPRI, CSIR, Accra - Ghana,

22 -25 April, 1997.

- (x) First Regional Symposium on Large Marine Ecosystem of the Gulf of Guinea. Novotel, Abidjan - Cote d'Ivoire, 26 - 30 Jan. 1998.
- (xi) Nigerian Institution of Surveyors 33rd annual General Meeting and Conference. Kwara Hotels, Ilorin - Kwara State, 22nd - 24th April, 1998.
- (xii) Simcoast™ Workshop. British Council Hall, Liberia Road, Accra, Ghana, 30th July - 1st Aug. 1998.
- (xiii) Start/Loicz Workshop held at Croix du Sud, Cotonou, Benin Republic, 23 - 27 Nov., 1998
- (xiv) African Association for Remote Sensing of the Environment Conference, Abidjan, Cote d'Ivoire, 4 – 10 October, 1998
- (xv) International Colloquium on Environmental Resources, Salford, UK, 27 February 1999.
- (xvi) 34th AGM and Conference of the Nigerian Institution of Surveyors. Nnamdi Azikiwe University, Awka, April 28 – 30, 1999.
- (xvii) International Union of Geodesy and Geophysics 99 (IUGG 99) Conference in Birmingham, UK, 18 – 30 July., 1999
- (xviii) Nigerian Institution of Surveyors 35th AGM and Conference holding at Cultural Centre, Benin – Edo State, April 26 – 29, 2000.
- (xix) Nigerian Institution of Surveyors 36th AGM and Conference holding at UK Bello Centre, Minna – Niger State, May 30 – 1 June 2001.
- (xx) Coast GIS 2001 International Conference holding at St Mary's University, Halifax, Canada, June 17 - 20, 2001.
- (xxi) International conference on Spatial Information for Sustainable Development, holding at the Centre for Monetary studies, Nairobi - Kenya, 2 - 5 October 2001.
- (xxii) Attended an Expert Group Meeting organised by UNIDO and the Post Graduate School, University of Lagos, at Whispering Palms, Badagry - Lagos. 18 - 19 October 2001.
- (xxiii) Nigerian Institution of Surveyors 37th AGM and Conference holding at Imo Concorde Hotel, Owerri, May 7 –10, 2002.

- (xxiv) Federal Ministry of Transport Policy Retreat held at the Hotel Presidential, Enugu. 4 – 6 April, 2002..
- (xxv) Africa Preparatory Meeting on World Summit on Sustainable Development (WSSD) held at the Hilton Nuga Hotel, Abuja. .19 – 26 June, 2002.
- (xxv) Fourth International Conference of the African association for the Remote Sensing of the Environment, Abuja, 14 – 18 October, 2002.
- (xxvii) International conference on Comparing Rivers Mississippi and the Niger, New Orleans, USA, 7 – 10 November 2002.
- (xxviii) Nigerian Institution of Surveyors 38th AGM and Conference holding at the Confluence Beach Hotel, Lokoja, May 4 – 6, 2003.
- (xxix) CoastGIS '03 International Conference holding in Genova, Italy, 16 – 18 October, 2003.
- (xxx) 1st GEOSON Conference, Abuja. 26 – 27 November, 2003.
- (xxxi) Nigerian Institution of Surveyors 39th AGM and Conference holding at the Boro Civic Centre, P.H. Rivers State, May 4 – 7, 2004.
- (xxxii) Regional Training Workshop on “The Application of GIS in Formulation and Implementation of Integrated Coastal Area Management Plans in Guinea Current Region”. University of Lagos, Lagos 7 - 10 December, 2004.
- (xxxiii) CoastGIS' 05 International Conference holding I Abadeen 19 – 23 July 2005.
- (xxxiv) Participated in the Steering Committee Meeting of the Guinea Current Large Marine Ecosystem Project at Transcorp Hilton, Abuja – Nigeria, 19 – 21 September 2006.
- (xxxv) Participated in Land Information Systems Symposium holding at United Nations Economic Commission for Africa HQ, Addis Ababa, 4 – 8 Dec, 2006.
- (xxxvi) Participated in Impacts of Oil Industry activities on the Biodiversity of the Niger Delta, Experts Group Meeting, UNEP-WCMC, Cambridge, 13 – 20 January, 2007.
- (xxxvii) Consultative Meeting of the Guinea Current Large Marine Ecosystem Project, Interim Guinea Current Commission Office, Accra – Ghana, 29 – 2 February 2007.
- (xxxviii) Attended the American Geographers Conference in San Fransisco, California, 17 – 21 April 2007
- (xxxix) Attended the International Geosciences & Remote Sensing Symposium held in Barcelona Spain from 23 – 27 July 2007.
- (xl) Attended Survey Coordination Conference in Abuja, 10 – 13 September

- (xli) Plan to attend the Africa GIS Conference in Ouagadougou, 17 – 21 September

22 PARTICIPATION IN UNIVERSITY & COMMUNITY PROJECTS:

- (i) Chairman, Department of Surveying & Geoinformatics Postgraduate Committee.
- (ii) Member, Postgraduate School Board, University of Lagos. Lagos
- (iii) Member, PG School Board Academic Programmes Committee, University of Lagos 1996 - date).
- (iv) Member of the Editorial Board, International Journal of Environmental Education and Information University of Salford, Salford - UK.
- (iv) Member, Lagos State Catholic Archdiocesan Land Committee.
- (v) Member, Editorial Advisory Board, Infotech Today, Glass House, 9 Oregon Road, Ikeja. (1999 -)
- (vi) External Examiner, Surveying, Enugu State University of Science and Technology, Enugu (1997 - 1999).
- (vii) PG School Representative on a number of Ph.D theses Defences.
- (viii) Member, Faculty of Engineering Research and Publication Committee for one (with effect from 26 Feb. 1998 - 2001).
- xii) Member of the Organising Committee of the 3rd Distinguished Lecture Series in Engineering and Technology (1999).
- (x) Adviser, University of Lagos Conservation Society 1998 - 2000).
- (xi) Member, Nigerian Institution of Surveyors Continuing Professional Development Committee (2000 - Date).
- xiii) Publicity Secretary, Nigerian Institution of Surveyors 2000 – 2002.
- xiv) Member, University of Engineering, Faculty of Engineering Internet Committee, July 2000 - 2001) .
- xv) Member, University of Lagos Senate 1 August 2000 – 31 July 2002, 1 August 2004 – 31 July 2006.
- xvi) Member, Transport Committee, University of Lagos, June 2000 to 2002..
- xvii) Member, Board for Technology Development, University of Lagos, May 2000- 2002.
- xviii) Member, University of Lagos Security Council (2001 - 2004) .
- xix) Member, SIWES Committee, University of Lagos, May 2000 – 2004)
- xx) Attracted in February, 2000 a N300,000.00 Microwave (Supernet300) Internet facility to the Faculty of Engineering, University of Lagos
- xxi) Attracted computers and software worth about N20m to the Department of Surveying & Geoinformatics, University of Lagos from Chevron Nigeria LTD and ESRI of USA (2001).
- xxii) Midwifed an Internet collaborative arrangement between the Faculty of Engineering and Asonnet Technologies of 14 Floor M. Kontagora House, Marina, Lagos whereby the Faculty invested a working environment while Asonnet invested about N4M. The Faculty gets 25% of the net profit and the company is to bequeath the equipment to the university after 5 years.

- xxiii) Member, International Executive Committee CoastGIS 2003 holding in Genoa, Italy.
- xxiv) Chairman Faculty of Engineering Committee on Information Technology & Computing Facilities.2000 – 2002.
- xxv) Sub-Dean, Postgraduate School, 1st August, 2003 – July 31 2005
- xxvi) Acting Head, Department of Surveying & Geoinformatics, University of Lagos (1 August 2005 – Date).

22 REFEREES:

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