**CURRICULUM VITAE**

**AND**

**ACADEMIC PUBLICATIONS**

**OF**

**PROF. SURV. VICTOR CHUKWUEMEKA NNAM**

**(B.SC, M. Sc, PhD, FNIS)**

**MAY, 2025**

**PROF. SURV. VICTOR CHUKWUEMEKA NNAM AFFILIATIONS**

**Department of Geoinformatics & Surveying**,

Faculty of Environmental Science,

University of Nigeria – Enugu Campus (UNEC),

Nigeria.

**Divine Hectares LTD**

19 Oworo Street, 351 Road, Off 3RD Avenue, Gwarimpa, Abuja, FCT.

Email: victor.nnam@gmail.com

+23490 5786 8689

**Geosquaremeter Innovative LTD**

Plot 50. WTC Estate, New Layout, Enugu.

Email: Geosquaremeter@gmail.com

+2348144795132

1. PERSONAL INFORMATION

***Full Name:*** Prof. Victor Chukwuemeka Nnam

***Date and Place of Birth***: 23rd of February, 1984

***Nationality:*** Nigerian

***State:***  Enugu State

***Local Government Area:*** Enugu South Local Govt

***Marital Status****:* Married

***Name & Address of Next of Kin*:** Mrs. Divine Nnam

Plot 8, Coal City Gardens Estate, GRA, Enugu

Enugu State.

***Children***: Four

***Faculty:*** Environmental Studies

***Department:*** Geoinformatics & Surveying

***Google scholar page:*** https://scholar.google.com/citations?user=qe-4Wj4AAAAJ&hl=en

h-index = 8, i-10 index = 7, 263 citations

***SCOPUS author page:*** <https://www.scopus.com/authid/detail.uri?authorId=57221977255>

h-index = 2, documents = 5, 4 citations

2. EDUCATION

**PhD in Geoinformatics and Surveying** Feb, 2019

University of Nigeria, Enugu Campus (UNEC),

Enugu state, Nigeria.

* Title of thesis: Development of a web-based local Geoid Information System for Enugu

State based on Transformation of Global Geoids

* Supervisor: Prof. F. I. Okeke
* Major research area: Geodesy
* Minor: Environmental Remote Sensing, Geographic

Information Systems (GIS)

**MSc in Geoinformatics & Surveying** December, 2011

University of Nigeria, Enugu Campus (UNEC),

Enugu state, Nigeria.

* Title of thesis: Implementation of a multipurpose Cadastre; a case study of Achara

layout, Enugu

* Supervisor: Prof. F. I. Okeke
* Grade: 4.86 / 5.0 (Distinction)

**BSc in Surveying and Geoinformatics** February, 2011

Enugu State University of Science & Technology (ESUT),

Enugu state, Nigeria.

* Title of thesis: Determination of Longitudinal and Cross sections of Apo road, FCT,

Abuja

* Supervisor: Surv. B.O. Ekpete
* Grade: 3.9 / 5.0 (2nd Class Upper)

3. EMPLOYMENT/WORKING EXPERIENCE

**PROFESSOR (Pro Bono)** Dec. 2024 – Till Date

**Department of Geoinformatics & Surveying,**

Faculty of Environmental Science,

University of Nigeria, Enugu Campus (UNEC),

Enugu State, Nigeria.

**Visiting Associate PROFESSOR (Pro Bono)** Sept. 2024 – Till Date

**Department of Geomatic Engineering,**

Faculty of Engineering,

University of Benin,

Edo State, Nigeria.

**Managing Director,** Jan, 2022 – Till Date

Divine Hectares LTD

19 Oworo Street, 351 Road, Off 3RD Avenue,

Gwarimpa, Abuja, FCT.

**Principal Consultant** August, 2015 – Till Date

Geo-squaremeter Innovative LTD

15 Carter Street, Ogui, Enugu

**Associate Consultant**  August. 2024 – Till Date

H.G & W Consulting

Melbourne, Victoria,

**Australia.**

**Senior Lecturer (Pro Bono)** Nov. 2022 – Dec. 2024

Department of Geoinformatics & Surveying,

Faculty of Environmental Science,

University of Nigeria, Enugu Campus (UNEC),

Enugu State, Nigeria.

**Hon Commissioner for Lands** Sept. 2019 – Oct. 2021

Enugu State Ministry for Lands & Urban Development,

Enugu State, Nigeria.

**Lecturer**  Jan. 2010 – Sept 2022

Department of Surveying and Geoinformatics,

Faculty of Environmental Science,

Enugu State University of Science & Technology (ESUT)

Enugu state, Nigeria.

**SURCON Examiner** Aug. 2016 – Oct. 2019

Surveyors Council of Nigeria (SURCON)

Professional Registration of Licensed Surveyors,

Federal Republic of Nigeria,

FCT - Abuja, Nigeria.

**Resident Surveyor** Oct. 2015 – Sept. 2019

Member,

Enugu State Boundary Commission,

Enugu State, Nigeria

4. INTERNATIONAL CONFERENCES, TRAINING PROGRAMS, WORKSHOPS AND SEMINARS ATTENDED

i) International Federation of Surveyors (FIG) Conference, Brisbane , Australia 2025

ii) International Federation of Surveyors (FIG) Conference, Accra, Ghana 2024

iii) Drone data acquisition and processing, Pretoria, South Africa 2022

iv) Artificial Intelligence (AI) Master class using MATLAB, Yamoussokro, Ivory Coast 2021

v) Commonwealth Association of Surveying & Land Economy (CASLE) conference, London 2019

vi) World Bank 20th Conference on Land & Poverty, Washington DC, USA 2019

vii) International Federation of Surveyors (FIG) Conference, Istanbul. Turkey 2018

viii) International Federation of Surveyors (FIG) Conference, Helsinki, Finland 2017

ix) International Builders’ Conference, Las Vegas 2016

x) Real Estate Developers’ summit on Construction Economy, University of Florida, Orlando 2016

xi) International Federation of Surveyors (FIG) Conference, Sofia, Bulgaria 2015

xii) International Federation of Surveyors (FIG) Conference, Kuala Lumpur, Malaysia 2014

xiii) International Federation of Surveyors (FIG) Conference, Abuja, Nigeria 2013

xv) International Federation of Surveyors (FIG) Conference, Rome, Italy. 2012

5. PUBLICATIONS

**Publication and Creative Works**

**Journal Articles**

**Journal articles published in Journals including recognized Impact Factor. Thomson Reuters (TR), Scimago (SJR), and Sourced Normalized Journal Impact Factor Papers (SNIP)**

**S/N DESCRIPTION IMPACT**

**FACTOR**

1 **Nnam, V. C,** Integrates Deep Learning and Coastal Vulnurability Index Nil

For Analyzing Shoreline Evolution in Niger Delta Region.

**FIG Peer Review Journal**, 2025, I*SSN 2307-4086*

2. **Nnam, V. C** and Odumosu, J. O, Trend analysis of remotely sensed Nil

greeneries and greenhouse gases data for Enugu metropolis,

**FIG Peer Review Journal**, 2024, I*SSN 2307-4086*

3 **Nnam, V. C**, J. O. Odumosu, Ehirim-Mgbada, C. Taribio, T. Ozonyia, Nil

A Spatio-temporal assessment of the Greeneries within Enugu Urban

Using GIS and Remote Sensing, **Journal of Spatial Information Science**,

2024, 1 (1), Pgs 60 – 73.

4. Odumosu Joseph O, **Nnam Victor C**, Kemiki, Olurotimi A, 0.22

Abubarkar, A, Oyebanji, Micheal A, Babalola, Sunday O, Application of **(SJR)**

Natural Language Parsing (NLP) for identifying non-surveyed

boundaries towards enhanced Systematic Land Titling (SLT):

Results from preliminary experiment, **Geodesy & Cartography**, 2023,

49 (4), Pgs 216 – 221. <https://doi.org/10.3846/gac.2023.18111>.

5. Odumosu Joseph O, Samaila-Ija Hassan, Paul Temitope and Nil

**Nnam Victor C**, Preliminary Adjustments for the Establishment of the

Lagos Gravity Network (LAGNET) 017, **Tropical Journal of the**

**Built Environment**, 2023, 4 (1), Pgs 1 – 9.

6. Okeke, F. I., **Nnam, V. C**., and Odumosu, J. O, Transformation of Nil

Global to Local Geoid for Regional Geoid Modeling: Results from

Enugu, Nigeria, **FIG Peer Review Journal,** 2022, I*SSN 2307-4086*

7. Odumosu, J. O, **Nnam, V. C** and Nwadialor, I. J, An assessment of spatial 2.2

methods for merging terrestrial with GGM-derived gravity anomaly data, **(SJR)**

**Journal of African Earth Sciences**, 2021, 179 (104202). ISSN 1464-343

8. Odumosu, J. O, Ajayi, O. G, **Nnam, V. C** and Ajayi, S, 0.22

Achieving Close Range Photogrammetry with Non-metric Mobile **(SJR)**

Phone Cameras. **Geodesy and Cartography**, 2021, 47 (2), 71 – 79,

e-ISSN 2029-7009. DOI: 10.3846/gac.2021.12241.

9. Odumosu, J. O, **Nnam, V. C**, Adeleke, O. O, Avoseh, A and 0.2

Ogundeji, O, Stereo photogrammetry for 2-d building deformation **(SJR)**

monitoring using kalman filter, **Reports in Geodesy and Geoinformatics**,

2020, 110 (1), 1 – 7, DOI: 10.2478/rgg-2020-0006.

10. Odumosu, J. O and **Nnam, V. C**, Gravity data requirements for 0.06

decimeter accuracy regional geoid using Stokes remove compute **(TR)**

restore technique in Nigeria, **Contributions to Geophysics and Geodesy**,

2020, 50 (3), 325 - 346.

11. **Nnam V. C**, Monitoring and Prediction of Land Use in Enugu Urban, Nil

Nigeria, Using GIS and Remote Sensing, **FIG Peer Review Journal,**

2020, I*SSN 2307-4086*

12. **Nnam V. C**, Application of 3D GIS in Development, Assessment, and Nil

Management of Divine Hectares Estate, Lifestyle and Golf City, Enugu,

Nigeria, **African Research Journal of Environment**, 2019, 24-28

<https://doi.org/10.36265/arejoen.2019.020104>.

13. **Nnam V. C**, Assessment of the Magnitude of Gully Erosion in Enugu Nil

Urban Area using Revised Universal Soil Loss Erosion Model (RUSLE).

**African Research Journal of Environment**, 2019 16-23, <https://doi.org/10.36265/arejoen.2019.020103>.

14. **Nnam V. C**., Okonkwo U., Onwuzuligbo C. U, Spatio-Temporal Nil

Monitoring and Prediction of Physical Urban Development of Part

of Nike, Enugu, Nigeria Using Remote Sensing and GIS,

**Environmental Review**, 2019, (1).

15. Okeke F.I, **Nnam V. C**., Odumosu. J. O, Comparative Analysis of Nil

the Observational Accuracy Obtained from Spirit Leveling and

GNSS Leveling, **Nigerian Journal of Geodesy**, 2018, 2 (2).

ISSN 2651-6098.

16. Okeke, F. I., **Nnam, V. C**, Regional Geoid Modeling by Nil

Transformation of Global to Local Geoid Method, **Nigerian Journal**

**of Geodesy**, 2018, 2 (2). ISSN 2651-6098.

17. J. U Anumba, J. C Ojiako, E. C Igbokwe, J. O Ejikeme, **V. C Nnam**, Nil

### Crime mapping in Enugu urban area of Enugu State, Nigeria using GIS

### Approach, Journal of Environment & Earth Science, 2018, 8 (9), Pgs

18 - 36

18. Onwuzuligbo C. U., Nnam V. C., Alozie P. O., Ejezie E. V, Nil

Implementation of Social Tenure Domain Model in Okpoko,

Anambra State, Nigeria. **FIG Peer Review Journal,** 2017, ISSN 2307-4086

19. Okeke, F. I., Nnam, V. C, Local Geoid Determination for Nigeria Nil

by The Transformation of Global Geoid Model.

**Nigerian Journal of Geodesy**, 2017, 1 (1)

20. Nnam G. U, Ndukwu R. N, **Nnam V.C** , Onwuzuligbo C., Nnam J. O, Nil

Comparison of Pixel Based and Object-Oriented Image Classification

for Mapping Urban Greenery in Uwani Enugu. **FIG Peer Review Journal,**

2015, ISSN 2307-4086

21. Nnam V.C, Maduako I., Nnam G. U, Onwuzuligbo C., Eze M. A, Assessment Nil

of Spatial Urban Dynamics in Enugu City Using GIS and Remote Sensing.

**FIG Peer Review Journal,** 2014, ISSN 2307-4086

22. Nnam U. G., Nnam V.C. and Nnam J.O, Object-Based Image Classification Nil

for Mapping Urban Land Cover Pattern; A case study of Enugu Urban,

Enugu State. **FIG Peer Review Journal,** 2013, ISSN 2307-4086

23. Nnam V.C., Nnam U. G., and Nnam J.O, Assessment of Urban Development Nil

Using Supervised Classification of Remotely Sensed Imageries and GIS;

A case study of Independence Layout (Part of), Enugu State,

**FIG Peer Review Journal,** 2013, ISSN 2307-4086

**TR = Thomson Reuters, SJR = Scimago**

**Conferences Proceeding Papers**

|  |  |  |
| --- | --- | --- |
| **S/N** | **Conference (Title, Date and Place)** | **Paper Read** |
| 1 | World Bank 20th Conference on Land and Poverty, 25th – 30th March, 2019, Washington DC, USA – Oral Presentation | **Nnam V. C** and Okonkwo Jude. **Land Use Change Detection and Prediction Using GIS and Remote Sensing; Case Study of Nsukka Urban, Enugu Nigeria** |
| 2 | 1st annual conference of the Nigerian Association of Surveying and Geoinformatics Lecturers (NASGL), Federal University of Technology Minna-Nigeria. 4th – 7th February, 2019 – Oral Presentation | Odumosu, J.O, Ajayi, O. G, **Nnam, V. C** and Ajayi, S. **3-D Position Determination Using Close Range Photogrammetry for 3rd Order Accuracy Positioning** |
| 3 | 63th Annual General Meeting/Conference of Nigerian Institution of Surveyors, Bauchi, Nigeria; June, 2018 | **V . C. Nnam**, C. E. Ekpete-Edeh, I.C. Nnaji. **A Study on the Role of Surveyors in the Development of Divine Hectares Estate, Lifestyle and Golf City, Enugu** |
| 4 | FIG Working week / Congress 2018, Embracing the Geospatial Maturity of Societies, 6th – 11thMay 2018, Istanbul, Turkey – Oral Presentation | **Nnam V.C**, Onwuzuligbo C., Nnam J. O. **Applications of Geoinformatics and Mapping in the Development of Divine Hectares Estate at Enugu Lifestyle and Golf City, Nigeria** |
| 5 | FIG working week, 2016, “*Recovery from Disaster*”, 2nd – 10th May 2016, Christ Church, New Zealand – Oral Presentation | **Nnam V.C**, Okeke F. I. **Determination of Best Fitting Geoid for Enugu State – Gravimetric Approach** |
| 6 | FIG working week, 2015, “*From the Wisdom of Ages to the challenges of the modern world*”, 17 – 21 may 2015, Sofia, Bulgaria – Oral Presentation | **Nnam V.C**, Nnam G. U, Onwuzuligbo C. **Optimum Geoid Determination for Enugu Lifestyle and Golf City Estate, Enugu State, Nigeria** |
| 7 | River Basin Management conference of WIT, 22nd – 24th May, 2013, New Forest, UK – Oral Presentation | Okwu-Delunzu V.V, **Nnam V.C**, Enete I.C. **Gully Erosion Monitoring Using Remotely Sensing. A Case Study of Nyaba River of Enugu State, Southeastern Nigeria** |
| 8 | FIG Working Week, 6-10 May, 2013, Abuja, Nigeria – Oral Presentation | Onwuzulibgo C., Ejikeme J., and Nnam V.C. **Adequate Geodetic Infrastructure: The First Step to Sustainable Development** |
| 9 | FIG Working Week, 6-12 May 2012 at Rome, Italy – Oral Presentation | **Nnam V.C**., EKPETE B.O., and Aniejionu C. D. **Improving Street Guide Mapping of Enugu South Urban Area through Computer Aided Cartography** |
| 10 | 57th Annual General Meeting/Conference of Nigerian Institution of Surveyors, Ilorin, Nigeria; June, 2012 – Oral Presentation | Nduji N. N., **Nnam V. C**., and Ekpete B. O. **Gully Erosion Monitoring Using Remote Sensing. A Case Study of Iyioku River (Part of), Nike, Enugu state, Nigeria** |
| 11 | 56th Annual General Meeting/Conference of Nigerian Institution of Surveyors, Calabar, Nigeria; June, 2011 – Oral Presentation | **Nnam V.C**., Aniejionu C. D., Okeke F. I. **Implementation of Multipurpose Cadaster in Enugu state, Nigeria** |

***5.3 Thesis and Dissertations***

i) **Nnam V. C (2019):** Development of Web-Based Local Geoid Information System for Enugu State based on Transformation of Global Geoid. A ***Doctorate Degree Thesis*** presented to the Department of Geoinformatics and Surveying, University of Nigeria, Enugu Campus, Enugu Nigeria

ii) **Nnam V.C., (2011):** Implementation of Multipurpose Cadastre, a case study of Achara layout, Enugu.A ***master’s Degree Dissertation*** presented to the Department of Geoinformatics and Surveying, University of Nigeria, Enugu Campus, Enugu Nigeria

iii) **Nnam V .C, (2007):** Determination of Longitudinal and cross-section of Apo road (part of), FCT, ABUJA.A ***Bachelor’s Degree Project*** presented to the Department of Surveying and Geoinformatics, Enugu State university of Science and Technology, Enugu State, Nigeria

7. MEMBERSHIP OF PROFESSIONAL ORGANIZATIONS AND SOCIETIES

**Date**

Registered Surveyors Council of Nigeria (**2011/2188**) 2011

Member Real Estate Developers Association of Nigeria (REDAN) 2013

Member Nigerian Association of Geodesists (**NAG/M/215**) 2015

Member Nigerian Institution of Surveyors (**NIS/FM/1338**) 2013

Fellow Nigerian Institution of Surveyors (**NIS/F/491**) 2025

9. TEACHING EXPERIENCE

***9.1 Masters Courses (M.sc)***

Mobile Gis

Advanced Digital Image Processing.

Environmental Remote Sensing and GIS

Advanced Remote Sensing and GIS

***9.2 Undergraduate Courses (BSc)***

Land Administration System

Digital Mapping

Geographic Information Systems (GIS) I

Basic Remote Sensing

Engineering Survey

Electronics and Electricals in Geoinformatics and Surveying

Computer Application in Geoinformatics and Surveying.

10. STUDENTS' PROJECTS SUPERVISED

***10.1 Undergraduate Students Supervision***

**Topic: Application of Geographic Information System in Facility Management of Enugu State University (ESUT) Temporary Site.**

1. Mr. Ferdinand Omeje ESUT/2005/78555
2. Mr. Justus Abonyi. ESUT/2005/78543
3. Miss Jennifer Ighile ESUT/2005/008779
4. Mr. Andrew Akpore ESUT/2005/78540

**Topic: Gully Erosion Monitoring Using Remote Sensing, A case study of Iyioku River (Part of), Nike Enugu East LGA, Enugu State.**

1. Mr. Nwannebuike N. Nduji ESUT/2006/83111
2. Mr. Yagazie A. Udenani ESUT/2006/83173
3. Mr. Chikere D. Ngwu ESUT/2006/83121
4. Chinedu D. Ezebekee ESUT/2006/83180
5. Miss Jennifer O. Erhabor ESUT/2006/83110

**Topic : Application Geographic Information System (GIS) in Estate Management, A case Study of Part of Enugu State University of Science and Technology Staff Quarters.**

1. Mr. Ekong Friday Ekong ESUT/2006/010978
2. Mr. Felix Chukwuma Ogbonna ESUT/2006/010165
3. Mr. Esikabu Charles Okafor ESUT/2006/010153
4. Mr. Frankson O. Ofomiyuaju. ESUT/2006/011054
5. Mr. Umurhurhu J. Akpowene ESUT/2006/010676

**Topic : Spatio-Temporal Assessment of Urbanisation of Part of Enugu East Local Government Area, Enugu Using Geographic Information System and Remote Sensing Techniques.**

1. Mr. Uchenna Jude Okonkwor ESUT/2013/150704
2. Mr. Henry Uchenna Ebunoha ESUT/2013/150759
3. Mr. Tochukwu Paschal Ugwueze ESUT/2013/150765
4. Mr. Clement Chidera Ebene ESUT/2013/150576

**Topic : Spatio-Temporal Assessment Of The Greeneries within Enugu Urban Using Geographic Information System and Remote Sensing.**

19. Mr. Innocent Akachi Ehirim-Mgbada UNEC/2017/246642

20. Miss Theresa C. Ozonyia. UNEC/2017/242767

1. Mr. Cosmus Ebinimi Taribio. UNEC/2017/243473

**Topic :Topographic Survey of Women Training College (WTC) Primary School, Enugu.**

1. Mr. Emmanuel Nweke UNEC/2018/245830
2. Mr. David Ochiabuto UNEC/2018/251725
3. Mr. Chidera Ifedi UNEC/2018/251851
4. Mr. Obiora Ekpete UNEC/2016/238929

***10.2 Professional Registration (SURCON) students supervised/Mentored***

**S/N. Name of Surveyor (now registered) Registration Number**

1. Surv. Tobias Chidi Nwokpo - SURCON/3469
2. Surv. Uchechukwu Stanley Adiole - SURCON/3520
3. Late Surv. Ugochukwu Maxmillian Chinwike - SURCON/3750
4. Surv. Ifeanyi Morgan Ihedigbo - SURCON/3830
5. Surv. Peace Nkiruka Obaji - SURCON/3885
6. Surv. Ejike Michael Chinwoke - SURCON/4033
7. Surv. Chinedu Darlington Nwawoke - SURCON/4109
8. Surv. Forward Chikadibia Amaechi - SURCON/4448
9. Surv. Ifeanyi Caleb Nnaji - SURCON/4537
10. Surv. Chidubem Sylvester Ezeugwu - SURCON/4707
11. Surv. Dakwal Ja’afaru Mwambu - SURCON/4839
12. Surv. Chukwudi Emmanuel Ekpete-Edeh - SURCON/5147
13. Surv. Adaeze Merit Okwesili - SURCON/5275

11. SOFTWARE USED

Gravsoft

MatLAB

RTKLib

ArcGIS

Bernese

Agisoft Photoscan

QGIS

ElShaya GIS

SPSS

Analyse-it

12. Administrative Responsibilities / Community Service

***12.1. Departmental Responsibilities***

Departmental Representative to the Faculty Board of Research (FBR)

Departmental Undergraduate students’Adviser (200L)

Assistant Departmental Examination Officer

**12.2 Service to the Profession (Nigerian Institution of Surveyors – NIS & SURCON)**

1. Examiner, SURCON Examination and interviewer 2016 - 2019
2. Technical session Presenter @ Enugu State Mandatory Continuous Professional Development (MCPD) 2012-2019

**12.5 Service to the nation (Federal Republic of Nigeria)**

1. **Honorable Commissioner for Lands** 2019 - 2021

During my tenure as the Honorable Commissioner for Lands in Enugu, I was responsible for overseeing land administration and management within the state. During that period, I saw to the revolutionization of the overall land administration System in the State. This I achieved by digitizing all land records and facilitating the shift of all land-based transactions between the public and government from the conventional paper system (which was corruption prone) to a completely computerized GIS system. This stride enhanced land governance in Enugu State and also facilitated ease of doing business in the State.

1. **Member, Enugu State Boundary commission** 2015 – 2019\
2. **Pro Bono Lecturing ( UNN and UNIBEN) 2022-Till Date**

**13. My contributions to knowledge in the field of Surveying & Geoinformatics**

Surveying and Geoinformatics is one of the oldest disciplines in Environmental sciences and is well connected to works, practice and research in allied fields such as the built environment, Engineering practices, Earth sciences and Telecommunications. As vast as Surveying is, Geodesy (a branch of Surveying), serves as its major backbone.

Geodesy plays a crucial role in the society by providing the foundation for precise mapping, navigation, and land surveying. It involves the measurement and understanding of Earth's shape, gravity field, and spatial orientation, which are essential for accurate geographic information systems (GIS), infrastructure development, and environmental monitoring. Geodesy supports disaster management by predicting and mitigating natural hazards like earthquakes and floods. It also enhances global positioning systems (GPS) used in transportation, agriculture, and telecommunications. Furthermore, Geodesy helps in the delineation of property boundaries and national borders, and also ensures legal clarity and resource management.

In view of the above, I have made the following contributions towards advancing the body of knowledge in my areas of research;

1. Development of a novel method for transformation of global to local geoid (known as the NTV2 transformation method).

2. The developed method (NTv2 transform) has been used to develop the national local geoid that is used for converting GNSS derived ellipsoidal heights to the Orthometric equivalent by local surveyors.

14. REFEREES

**Senator Kenneth Ugwu Nnamani**

Former Senate President

Federal Republic of Nigeria

+2348033221000

**Prof. Oguejiofor T. Ujam**

Dean, School of General Studies

University of Nigeria.

Nsukka, Nigeria.

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[Oguejiofo.ujam@gmail.com](mailto:Oguejiofo.ujam@gmail.com), oguejiofo.ujam@unn.edu.ng

**Prof. Ralph. Ehigiator-Irughe**

Dean Faculty of Environmental Science (FES),

University of Benin, Edo State,

Nigeria.

08033681019

[ehigiatorraph@gmail.com](mailto:ehigiatorraph@gmail.com)

**Name /Signature / Date** ……………………………………………………..………………..