Micheal Abiodun Uduebor

+1(704)430-3784; udueborm icheal@gmail.com; www.linktr.ee/muduebor

SUMMARY

Geotechnical engineer with sound knowledge in design, field, and lab testing. Results-driven, utilizing a cost-effective and pragmatic approach to manage projects and deliver on professional and fiscal goals, seeking opportunities to grow and expand in a new work environment. Currently researching innovative solutions that will improve civil and geotechnical construction works.

SKILL SET

In-situ Geotechnical Engineering and Geophysical testing
Basic and Advanced Geotechnical Engineering Laboratory Testing
Pavement Design using AASHTO Pavement ME®
Finite Element Modelling Using ABAQUS® and COMSOL®
Simple Material, Soil, and Rock Geotechnical modeling and analysis using Plaxxis® and GeoSlope® Software.
Geospatial analysis using ARCGIS® and SURFER®
Geologic and Geotechnical Soil Profiling with Geostru® Suite
2D drafting and 3D solid & surface modeling using AutoCAD®.
Basic Programming using C# and Microsoft Excel for Scientific Operations.
Spatial Mathematical and Statistical analysis using SPSS® and R Studio.
Graphics, Light, and Advanced Audio and Video Authoring with Adobe® and Corel® Suites.

EDUCATION

The University of North Carolina at Charlotte	Ph.D., Geotechnical Engineering	2020 – 2023
The Federal University of Tech., Akure (FUTA)	M. Eng., Geotechnical Engineering (Hons)	2013 – 2016
The Federal University of Tech., Akure (FUTA)	B. Eng. Civil Engineering (Hons)	2006 – 2011
Federal Government College, Lagos	West African Senior School Cert. Exam.	1999 – 2005

PROFESSIONAL HISTORY

Assistant Professor **[Aug. 2024 – present]**

Florida Golf Coast University

- Moisture Resilience in Earth, pavement, and Foundation Systems
- Engineered Water Repellency for Geoenvironmental Applications
- Teaching Faculty – Computational Tools for Engineers, Geotechnical Engineering I, Geotechnical Engineering II, Engineering Fluid Mechanics

Engineered Water Repellency Researcher **[June 2024 – July 2024]**

The University of North Carolina at Charlotte

- Engineered Water Repellency to Mitigate Frost Action: Decoupling Osmotic and Matric Potential (U.S., NSF Funded Research, with counterpart funding from the Iowa Highway Research Board)

Visiting Assistant Professor **[Aug. 2023 – May 2024]**

Florida Golf Coast University

- Moisture Resilience in Earth and Foundation Systems
- Engineered Water Repellency for Geoenvironmental Applications
- Teaching Faculty – Computational Tools for Engineers, Engineering Mechanics, Geotechnical Engineering I

Graduate Research Assitant, Teaching Assistant & Instructor of Record **[Jan. 2020 – July 2023]**

The University of North Carolina at Charlotte

- Engineered Water Repellency to Mitigate Frost Action: Decoupling Osmotic and Matric Potential (U.S., NSF

Funded Research, with counterpart funding from the Iowa Highway Research Board)
- Designed and Calculated estimates for landfill development in Oahu, Hawaii (Project)
- Carried out load transfer efficient assessment for Charlotte, NC road pavements (Study)
- Analysis of dewatering solutions for unlined coal ash pond at Winston Salem, NC (Study)
- Teaching Assistant – Geotechnical Engineering Laboratory (2020)
- Instructor of Record – Geotechnical Engineering Laboratory (2021-2022)

Lecturer II/ Geotechnical Engineer **[Oct. 2019 – Jan. 2020]**
The Federal University of Technology, Akure *Ondo, Nigeria*
- Developed proposals for using bio-sorbents for hydrocarbon contamination remediation (~$50,000)
- Supervised over 5+ field and laboratory investigations
- Carried out geotechnical analysis and design (small dams, retaining walls, embankments)
- Coordinated hydrocarbon-contaminated site monitoring (1 year, 6 months)
- Teaching Faculty – Soil Mechanics, Geotechnical Engineering

Assistant Lecturer/Geotechnical Engineer **[Sept. 2016 – Oct. 2019]**
The Federal University of Technology, Akure *Ondo, Nigeria*
- Designed and supervised soil stabilization method for a failed section of interstate road (50km)
- Carried out technical audit of road pavement (100km)
- Managed over 20+ field and laboratory investigations for several construction projects
- Carried out on-site assessment, sub-soil analysis, and geotechnical design of small dams
- Developed proposals and cost estimates for engineered landfill systems (Bio-covers)
- Teaching Faculty – Foundation Engineering, Geotechnical Engineering

Teaching Assistant/Field Engineer (Research) **[May 2014 – Jan. 2016]**
The Federal University of Technology, Akure *Ondo, Nigeria*
- Carried out hydrocarbon remediation for a pilot-scale site (1 year, 6 months)
- Carried out geoenvironmental exploration (subsoil and water quality assessment)
- Interacted with the host community to establish trust and gain support for the project
- Met with relevant stakeholders for project progress evaluation and updates
- Teaching – Soil Mechanics, Foundation Engineering, Geotechnical Engineering

Field Geotechnical Engineer **[Jan. 2013 – May 2014]**
MACHIANHAVILAH GEOTEKNICA® *Lagos, Nigeria*
- Supervised sub-soil investigations for shallow foundations
- Carried out on-site and laboratory geotechnical testing
- Sub-soil investigation and geotechnical analysis (with report writing)
- Shallow Foundation Design and Analysis

Research (Laboratory) Assistant **[Feb. 2012 – Nov.2012]**
The Federal University of Technology, Akure *Ondo, Nigeria*
- Developed Microsoft® Excel spreadsheets for calculating laboratory tests
- Carried out geotechnical laboratory testing on recovered soil samples
- Commissioned and supervised unsaturated soil testing laboratory
- Geotechnical Engineering Assistant [May 2010 – Nov. 2010]

TREVI Foundations Nigeria Ltd. *Lagos, Nigeria*
- Supervised sub-soil investigations for shallow and deep pile foundations
- Carried out geotechnical laboratory testing on recovered soil samples
- Geotechnical analysis and design of deep pile foundations and shore-line protection facilities
- Pile design cost quantification and estimation, Pile load test and on-site pile integrity testing
- Sub-soil investigation and geotechnical analysis report writing

PROFESSIONAL QUALIFICATIONS/MEMBERSHIPS

PE Licensure - NC (#059060), FL (Pending)
PE Certification -Geotechnical Engineering (NCEES) 2024
FE Certification - Civil Engineering (NCEES) 2022
SM.IGS, International Geosynthetic Society [17076] 2022
SM.ASEE, American Society for Engineering Education [124407] 2022
Member, Nigerian Society of Engineers (NSE) [39196] 2016
AM. ASCE, American Society of Civil Engineers [9097283] 2013
SM.ICE, Institute of Civil Engineers [65136470] 2013

RESEARCH ACCOMPLISHMENTS

Some Journal Publications

1. **Uduebor M.A.,** Daniels J.L., Ogunro V.O, Saulick Y., Adeyanju D. (2024): Effect of Water Repellent Treatment on Hygroscopic Properties of Fine-Grained Soils. Applied Clay Science *(Submission Ready)*
2. **Uduebor M.A.,** Daniels J.L., Naqvi M.W, Cetin B (2024): Effect of Freeze-Thaw Cycles on Strength Properties of Engineered Water Repellent Soils. *Transportation Research Record*: Journal of the Transportation Research Board *(Submission Ready)*
3. **Uduebor M.A.,** Adeyanju D., Daniels J.L., Ogunro V.O, Saulick Y. (2024): An Automated Technique for Measurement of Water Entry Pressure In Hydrophobic Soils. Geotechnical Testing Journal. ASTM *(Submission Ready)*
4. Fadugba O.G., Ola S.A., Babtola J.O., Ojuri O.O., **Uduebor M.A.**, Akinde, S.B. (2023): Assessment of Heavy Metals in Petroleum Hydrocarbon Contaminated Groundwater (A Case Study of Baruwa Community, Lagos State, Nigeria). Covenant Journal of Engineering Technology (CJET), Vol 7, No.2
5. **Uduebor M.A.,** Daniels J.L., Saulick Y., Naqvi M.W, Cetin B (2023): Optimization of Water Repellency in Soils for Geotechnical Applications. International Journal of Geotechnical Engineering. *(link)*
6. **Uduebor M.A.,** Daniels J.L., Adeyanju D., Sadiq M.F., Cetin B (2023): Engineered Water Repellency for Resilient and Sustainable Pavement Systems. International Journal of Geotechnical Engineering. Special Issue: Environmental Geotechnology for A Low-carbon World *(link)*
7. **Uduebor M.A**, Oyedepo O.J, Oluyemi-Ayibiowu B.D. (2019): Durability Characteristics of Lime-Wood Ash Stabilized Lateritic Soils for Pavement Construction. FUOYE Journal of Engineering and Technology *(link)*
8. Oluyemi-Ayibiowu B.D., **Uduebor M.A.** (2019): Effect of Compactive Effort on Compaction Characteristics of Lateritic Soil Stabilized With Terrasil. Journal of Multidisciplinary Engineering Science Studies (JMESS), Vol 5 No:2 *(link)*
9. **Uduebor M.A.**, Ola S. A. (2016): Hydrocarbon Remediation by Natural Attenuation at Baruwa, Lagos Nigeria. Electronic Journal of Geotechnical Engineering (EJGE) 21 (Bund. 02), 501-512 *(link)*
10. Ola S. A., Fadugba O. G., **Uduebor M. A.** (2016): Slug Tests for Determination of Hydraulic Conductivity of Contaminated Wells. Journal of Environment and Natural Resources Research. Canadian Center of Science and Education. Vol.6: No. 2, pp 156-165 *(link)*
11. Aderinola O.S., **Uduebor M. A.** and Owolabi T.A (2015): Cost Prediction Models of Components of Building and Civil Engineering Construction in Akure Township and Its Environs, Ondo State, Nigeria. European International Journal of Science and Technology, Vol: 4 No: 2. *(link)*

Some Peer-Reviewed Conference papers

1. Adeyanju, E., **Uduebor, M.**, Saulick, Y., Daniels, J., & Cetin, B. (2024). Influence of Density on Engineered Water Repellent Soil. International Conference on Transportation and Development 2024. https://doi.org/10.1061/9780784485538.014

2. **M. Uduebor**, A. Familusi, Y. Saulick, J. Daniels, & Bora Cetin (2023): Engineered Water Repellency for Mitigating Swell Behavior in Expansive Foundation Soils, the International Foundation Congress and Equipment Expo (IFCEE-2024) DOI: https://doi.org/10.1061/9780784485408.03
3. **Uduebor M.A.,** Daniels J.L., Naqvi M.W, Cetin B (2024): Effect of Freeze-Thaw Cycles on Strength Properties of Engineered Water Repellent Soils. *Transportation Research Board:* Annual General Meeting, 2024
4. **Uduebor M.A.**, Adeyanju E., Saulick Y., Daniels J.L. (2023): Engineered Water Repellency for Moisture Control in Airport Pavement Soils. ASCE International Conference on Transportation and Development. *(link)*
5. Naqvi M.W, Sadiq M.F., Cetin B, **Uduebor M.A.,** Daniels J.L. (2023): Frost Susceptibility Evaluation of Clay and Sandy Soils. Geo-Congress 2023: Soil Properties and Modelling. *(link)*
6. Malisher M., **Uduebor M.A.,** Daniels J.L., Saulick Y.(2023): Compaction and Strength Characteristics of Engineered Water Repellent Frost Susceptible Soils. Geo-Congress 2023: Soil Properties and Modelling. *(link)*
7. **Uduebor M.A.**, Adeyanju E., Saulick Y., Daniels J.L. (2022): Innovative Frost Heave Mitigation Technique for Road Pavements. ASCE International Conference on Transportation and Development. May 31 - June 3, 2022, Seattle, Washington. *(link)*
8. Brooks T., Daniels J.L., **Uduebor M.A.**, Cetin B., Naqvi M.W. (2022): Engineered Water Repellency for Mitigating Frost Action in Iowa Soils. Geo-Congress 2022: Soil Improvement, Geosynthetics, and Innovative Geomaterials.
9. **Uduebor M.A.,** Daniels J.L., Cetin B. (2022): Engineered Water Repellency in Frost Susceptible Soils. Geo-Congress 2022: Soil Improvement, Geosynthetics, and Innovative Geomaterials.*(link)*
10. Naqvi M.W, Sadiq M.F., Cetin B, **Uduebor M.A.,** Daniels J.L. (2022): Investigating the Frost Action in Soils.Geo-Congress 2022: Advances in Monitoring and Sensing; Embankments, Slopes, and Dams; Pavements; and Geo-Education *(link)*
11. Daniels J.L., Langley, W.G., **Uduebor, M.A.** and Cetin, B. (2021): Engineered Water Repellency for Frost Heave Mitigation: Practical Modelling Considerations. ASCE Geo Extreme 2021: Infrastructure Resilience, Big Data, and Risk, Savannah, Georgia. *(link)*
12. Ola S.A., Fadugba O.G., **Uduebor M.A.** (2018) In-Situ Chemical Oxidation of Hydrocarbon Contaminated Groundwater (A Case Study of Baruwa Community, Lagos, Nigeria). In: Singh D., Galaa A. (eds) Contemporary Issues in Geoenvironmental Engineering. GeoMEast 2017. Sustainable Civil Infrastructures. Springer, Cham *(link)*
13. Ojuri O.O., **Uduebor M.A.** (2016): Hydro-Mechanical Properties of Some Potential Clay Liner Materials in Southwestern Nigeria. 4th GeoChina International Conference 2016, July 25-27, 2016. Shandong, China. *(link)*
14. Adeyeri J.B., Ojuri O.O., **Uduebor M.A.** (2016): Hydraulic Conductivity of Partially Saturated Semi-Arid Tropical Black Clay from Consolidation Tests. 4th GeoChina International Conference 2016, July 25-27, 2016. Shandong, China. *(link)*
15. Ojuri O.O., Ola S.A, Fadugba O.G, **Uduebor M.A.** (2014).: Site Remediation in Nigeria: Proven and Innovative Technologies (Recovery of Free Hydrocarbon from Soil/Groundwater). The 4th Geotechnique, Construction Materials, and Environment (GEOMATE 2014) Conference in Brisbane, Australia. Vol 2014, pp 585-590. *(link)*

Other Conference papers

1. Daniels J.L., **Uduebor, M.A.**, Saulick Y., Adeyanju E. (2022): Osmotic and matric controls on water potential in ash from TVA's Kingston Fossil Plant. World of Coal Ash Conference, 2022, Covington, KY
2. Oluyemi-Ayibiowu, B. D, Fadugba, O. G, **Uduebor, M. A.**, and Adetukasi, O. A (2020): Assessment of Nanomaterial on Stabilization of Black Cotton Soil of Northeastern Nigeria. International Symposium on Nanostructured, Nanoengineered, and Advanced Materials (ISNNAM 2020). 28 April - 03 May 2020 Johannesburg, South Africa

Some Technical Papers/Presentations

1. Poster Presentation: "Innovative Frost Heave Mitigation Technique for Road Pavements" 2022 ASCE Geo-Institute Geo-Carolina 2022. Sep 12, 2022. Charlotte, NC.
2. Poster Presentation: "Engineered Water Repellency in Frost Heave Mitigation" 2022 ASCE Geo-Congress 2022. Mar 23, 2022. Charlotte, NC (Winner, GeoPoster '22)
3. Poster Presentation: "Engineered Water Repellency in Frost Heave Mitigation" 2021 NCDOT Research & Innovation Summit being held Oct. 5-6, 2021

4. Lightning talk: “Engineered Water Repellency in Frost Heave Mitigation” 2020 NCDOT Research & Innovation Summit, Oct. 13-14, 2020
5. Conceptual Design of Dam (Mgbowo, Enugu State, Nigeria) https://www.academia.edu/3293498/Conceptual_Design_of_Dam_Mgbowo_Enugu_State_Nigeria_
6. Grouting Techniques https://www.academia.edu/4154916/Grouting_Techniques

GRANTS and FUNDED RESEARCH

Uduebor, M.A. (PI) “Determining Hydraulic Functions of southwest Florida Soils” FGCU, WCE Head Start Program **($4,900)**, 09/2024 - 06/2025.
Villiers, C., Ozdagli, A., **Uduebor, M.A.**. “Assessing Driver Behavior Under Rainfall and Fog in Florida” FGCU, WCE Head Start Program **($2,000)**, 09/2024 - 06/2025.
Uduebor, M.A. (PI), Tsegaye, S. “Expanding Applications of Engineered Water-Repellent Soils: Moisture Control in Engineering Practice” FGCU, WCE Head Start Program **($3,000)**, 09/2023 - 06/2024.
Uduebor, M.A. (PI), Ozdagli, A., Islam, B. “Post Hurricane “X”: A Perfect Use Case for Automated Damage Assessment and Prediction for Civil Infrastructure Resilience. FGCU, WCE Head Start Program **($3,000)**, 09/2023 - 06/2024.
Uduebor, M.A. “Engineered Water Repellency for Frost Heave Mitigation” UNCC Graduate School Summer Fellowship Grant Award, **($8,000)**, 05/2023 - 07/2023.

Contributions to Ongoing Funded Research
1. Engineered Water Repellency to Mitigate Frost Susceptibility: Decoupling Osmotic and Matric Potential Principal Investigator: John Daniels, D.Eng., P.E., F.ASCE, University of North Carolina at Charlotte
NSF CMMI Award: $402,377 (#1928813), 2019 - 2024
Responsible for carrying out experimental test campaigns to optimize dosage requirements for water repellency treatment. Developed a test method for determining breakthrough tests in water-repellent soils and a model for measuring osmotic potentials in freezing soils. (8+ Publications, 3 as 1st Author)
2. Use of Organosilanes to Mitigate the Impact of Freeze-Thaw Damage to the Granular Roadways In Iowa Principal Investigator: Bora Cetin, Ph.D., M.ASCE Michigan State University
IHRB Award: $349,672 (TR-783) 2022 - 2024
I carried out experimental field test campaigns for executing water repellency treatment in frost susceptible low-volume roads—osmotic model validation.
3. Site Remediation in Nigeria: Proven and Innovative Technologies, Recovery of Free Hydrocarbon from Soil/Groundwater
Investigator: Prof. Samuel A. Ola, Ph.D., FNSE, The Federal University of Technology, Akure
TEFund NRF Award: #40,000,000 (TETF/ES/NRF/013/Vol.1202), 20
Responsible for carrying out test campaigns for hydrogeological as well as contamination assessment. Developed a model for determining the effectiveness of natural attenuation of contaminants of concern

SCHOLARSHIPS, AWARDS, CERTIFICATIONS, AND ACHIEVEMENTS

Professional Development Fund - Lucas Center, FGCU - $1000 Award (2024)
Daveler Entrepreneurship Faculty Fellowship, FGCU - $2500 Award (2024)
International Student Scholarship Award, ISSO UNCC - $1000 Award (2023)
$300 ASCE Geo-Institute Travel Grant for OM/Student Career Fair (2023)
$300 Student Spring Travel Grant, Graduate, and Professional Student Government, GPSG, UNCC (2023)
1st Position, Oral Presentation, Graduate Student Research Symposium GPSG, UNCC - $400 Award (2023)
2nd Position, Poster Presentation, Graduate Student Research Symposium GPSG, UNCC - $150 Award (2023)
$1200 Conference Travel Grant, Civil & Environmental Engineering Department, UNCC (2023)
1st Position, Poster Presentation, Graduate Student Research Symposium CEE, UNCC (2022)
$3000 Merit Scholarship Award, Graduate School UNCC (2023)

$5000 Graduate Life Fellowship, Center for Graduate Life and Learning, UNCC (2022-2023)
Winner, ASCE Geo-Poster, GeoCongress '22 Charlotte, NC (2022)
$175 ASCE Geo-Carolina Travel Grant for Student Career Fair (2022)
2nd Position, Poster Presentation, Graduate Student Research Symposium CEE, UNCC (2022)
Best Presentation, Civil & Environmental Engineering, Graduate Student Research Symposium - $300 Award (2021)
Notable Mention, J&J Champions of Science Africa Storytelling Challenge (ASC) (2019)
TeTFUND, Nat. Research Fund, Prof. S.A. Ola Research Group, FUTA (M.Sc.) Sponsorship [2016]
Microsoft Student Partner (2011 – 2014)
Winner of Professor Ola's Prize for The Best Student in Geotechnical Engineering (2011)
Exxon Mobil Undergraduate Scholarship Award (2007 – 2011)

COURSES/TRAINING ATTENDED

General Training

1. ICE1.0 Workshop (KEEN)
2. Training - Strategies for Developing Successful Grant Proposals Session (9/11/2023), FGCU
3. Training - Safety Training for Fundamental Science Personnel (08/04/2023), FGCU
4. Technology Enhanced Course Design Academy (TECDA), FGCU
5. Training - TA Training 2020-2021, UNCC
6. Training - Adjunct Faculty Orientation, UNCC
7. Training - Diversityedu - Faculty, UNCC
8. Training - Classroom Management and Disruptive Student Behavior, UNCC

Teaching Workshops

1. Science Communications, Conference of Southern Graduate Schools, Raleigh, NC February 17-19th, 2022
2. How to Write a Teaching Philosophy Workshop. Wed Oct 13, 2021
3. How to Conduct a Teaching Demonstration at an Academic Job Interview. October 26, 2021
4. Preparing for the Professoriate. March 11 & 12, 2021
5. Collaborating with Diverse Teammates: How to Communicate with Cultural Intelligence (2020-12-10)
6. Communicating with Many Audiences Through Writing (2020-12-03)
7. STEM Communication Series: Conveying Research through Social Media (2020-11-05)
8. How to Speak Corporate: Essential Corporate Communication Skills (2020-11-19)
9. STEM Communication Fundamentals: The Overview (2020-10-15)
10. Preparing for an International STEM Experience: How to Communicate Across Borders (2020-10- 08)

Technical Workshops

1. Technical Session 3, Track C - Education for Geotechnical Engineering & Online Education (American Society of Civil Engineers, GeoCongress, 2022, Charlotte, NC) Tue Mar 22, 2022
2. Geotechnical Engineering Lab Course Virtual Instruction Methods: A Response to Covid-19
3. Recall Questions for Soil Compression: Potential Learning Gains for Students and Instructors
4. Assessing In-Person versus Remote Learning Gains: An Endeavor to Extend the Engineering Education Environment
5. In-Situ Soil Testing Short Course. Virginia Geo-Institute Chapter of ASCE 1—July 24-28, 2022, Virginia

COURSES TAUGHT AT THE UNIVERSITY LEVEL

The Federal University of Technology, Akure

CVE 105 (History & Philosophy of Science and Technology)	2017 - 2019
CVE 306 (Soil Mechanics)	2016 - 2017
CVE 407 (Foundation Engineering)	2017 - 2019
CVE 508 (Geotechnical Engineering	2017 - 2019
CVE 518 (Advanced Soil Mechanics)	2018 - 2019
CVE 719 (Civil Engineering Materials)	2017 - 2018
CVE 724 (Geotechnical Engineering II)	2018 - 2019

The University of North Carolina at Charlotte

CEE 3258 (Geotechnical Engineering Laboratory)	2021 - 2022

Florida Golf Coast University

CWR 3201C: Engineering Fluid Mechanics	2024
CEG 4012C: Geotechnical Engineering II	2024
CEG 3012C: Geotechnical Engineering I	2024
EGM 3420C: Engineering Mechanics	2023
EGN 1041C: Computational Tools for Engineers	2023-2024

LEADERSHIP/SERVICE INVOLVEMENT

Member, Whitaker College of Engineering, Institutional Safety Committee, GCU (2024 - present)
Member, Whitaker College of Engineering, Graduate Committee, GCU (2024 - present)
Member, University Amnesty Committee, FGCU (2023 -present)
Chair, Abstracts Review Committee, GRS 2023, UNCC (2023)
Vice President, Graduate, and Professional Student Government, GPSG, UNCC (2021-2022)
Chair, Graduate Research Symposium (GRS) Committee, GPSG, UNCC (2021-2022)
Graduate Student Representative, College of Engineering Strategic Planning Committee, UNCC (2021-2022)
Graduate Student Representative, Civil, and Env. Engineering Strategic Plann. Committee, UNCC(2021-2022)
Member, Substance Abuse Prevention Committee (SAPC), UNCC (2021-2022)
Graduate Student Representative, Graduate Council, UNCC (2021-2022)
Member, Data Processing Committee, SEET, FUTA (2018 -2019)
Member, Exams Committee, SEET, FUTA (2018 -2019)
Level Registration Officer (100 Level), FUTA (2017-2019)
Departmental Time-Table Officer, FUTA (2016 -2019)
Assistant Departmental Examination Officer, FUTA (2016 -2019)
Member, Time Table Committee, SEET, FUTA (2016 -2019)
Member/Site Engineer, Prof. S.A. Ola TETFUND Research (2014 – 2016)
Class Governor, Civil Engineering Masters Class, FUTA, (2013-2016)
Platoon Leader, National Youth Service Corps (2011)
Academic coordinator, Foursquare Students' Fellowship, FUTA (2009 – 2010)
Off-Campus coordinator, Foursquare Students' Fellowship, FUTA (2008 – 2009)

VOLUNTEERING INVOLVEMENT

Academic

1. Peer Journal Reviewer, Resources, Conservation & Recycling (Elsevier)
2. Peer Journal Reviewer, Journal of Cleaner Production (Elsevier)
3. Peer Journal Reviewer, Cold Regions Science, and Technology (Elsevier)
4. Peer Journal Reviewer, Journal of Rock Mechanics and Geotechnical Engineering (Elsevier)
5. Peer Reviewer, Geocongress 2024, Geo-Insitute, American Society of Civil Engineers (ASCE)
6. Peer Reviewer, International Foundations Conference and Exhibition Expo, IFCEE 2024

Other

1. Member, Students Accountability Board (SAB), UNCC (2021-2023)
2. Member, International Student Advisory Council (ISAC), UNCC (2021-2023)
3. Member, Graduate Research Symposium (GRS) Committee, GPSG, UNCC (2022-2023)
4. Founded the Nigerian Student Association, NSA, UNCC (2021)
5. ISSO Cultural Ambassador Program, UNCC (2020 – 2021)
6. Student Marshal, Commencement Ceremony, UNCC December 2021

7. New Student Airport Pickup + Housing, UNCC (2021-2022)
8. Member, Green Shift Africa
9. American Red Cross (Media/Communications)
10. Be My Eyes – E-guide for non-sighted

STUDENT MENTORSHIP

Faculty mentor 2023–2024 WiSER (Work in Scholarly Experiences & Research) Research Assistant Program
Colton Boswell (FGCU BCEE, Bsc, 2025)
Erik Anderson (FGCU BCEE, Bsc, 2025)
Jamaine Marrero (FGCU BCEE, Bsc, 2025)
Elizabeth Bork (FGCU BCEE, Bsc, 2025)
Vitali Owen (FGCU BCEE, Bsc, 2025)
Noah Hanson (FGCU BCEE, Bsc, 2025)
Christopher Diaz (FGCU BCEE, Bsc, 2025)
Catherine Maher (FGCU BCEE, Bsc, 2025)
Clayton Lynskey (FGCU BCEE, Bsc, 2025)
**All student research can be found at https://www.udueborlab.org

Research Supervision
Adams Familusi UNCC CEE MSc, Spring 2024)
Thesis: Swelling Mitigation in Expansive Soils using Organosilane (Research Committee Member)
Graduate Student (Ph.D.) University of North Carolina at Charlotte, USA
Ty Brooks (UNCC CEE MSc, Fall 2021)
Thesis: Engineered Water Repellency for Mitigating Frost Action in Iowa Soils (Advisor: Dr. John Daniels)
Geotechnical Engineer at SM&E, North Carolina, USA
Mackenzie Malisher (UNCC CEE MSc, 2022)
Thesis: Strenght and Compaction Properties of Water Repellent Soils (Advisor: Dr. John Daniels)
Geotechnical Engineer at ECS, North Carolina, USA
Abiri, Tolulope (FUTA CEE B.Eng, 2019)
Thesis: Geotechnical Characteristics of Biochar-Based Bio-cover Material for Use in Landfill Application
Engineer at Mejor Camino Construction Co. Ltd., Lekki Lagos, Nigeria
Atanda, Elijah Adeyinka (FUTA CEE B.Eng, 2019)
Thesis: Characteristics and Assessment of Selected Waste Products for Use as Sorbents in Remediating Hydrocarbon Contamination
Laboratory Technician, Ministry of Works, Ibadan, Oyo State, Nigeria.
Adams Ayoola Familusi (FUTA CEE B.Eng, 2019)
Thesis: Evaluation of Strenght and Compressibility Characteristics of Sand-Bentonite Mixtures for Use as Landfill Liners (Advisor: Dr. Oluwapelumi Ojuri)
Graduate Research Student, UNCC, USA
Kehinde Oluwatoba Aina (FUTA CEE B.Eng, 2019)
Thesis: Evaluation of the Strength and Compressibility Characteristics of Compacted Laterite-Bentonite Mixtures for Use as Landfill Liners (Advisor: Dr. Oluwapelumi Ojuri)
Deputy Project Manager, Builder's Stop Center, Abuja, Nigeria
Waire Olawolu (FUTA CEE B.Eng, 2019)
Thesis: Evaluation of Strength Characteristics of Compacted Sand-bentonite Mixtures for Use as Landfill Liners (Advisor: Dr. Oluwapelumi Ojuri)
Graduate Teaching Assistant/ MSCE Student, Purdue University, West Lafayette, IN USA
Tolulope Akanni (FUTA CEE B.Eng, 2019)
Thesis: Hydraulic Characteristics of Sand-Bentonite Mixtures for USe as Compacted Clay liners in Landfill Applications Site Engineer, DLICC Project Department, Km 42, Lagos-Ibadan Expressway, Nigeria
Oladipupo Ogundolapo (FUTA CEE B.Eng, 2019)

Thesis: Effect of Drying Temperature and Grain Size on the Elasticity and Specific Gravity of Selected Bio-Cover (Advisor: Dr. Oluwapelumi Ojuri)
Materials MSc Student, University of Hull, UK

Taiwo, Ridwan Ademola (FUTA CEE B.Eng, 2019)
Thesis: Geotechnical Characterization of Biochar-Based Biocovers for Use in Landfill Applications
MSc Student, University of Johannesburg, South Africa

Ayobami Osundare (FUTA CEE B.Eng, 2017)
Thesis: Strength, Compaction, and Compressibility Properties of Rice Husk with Sodium Bentonite (Advisor: Dr. Oluwapelumi Ojuri)
QA/QC Engineer, Shapoorji Pallonji, Lagos, Nigeria

Via Mentorship Collective (https://www.mentorcollective.org/)
Isah Abdullah (UNCC CEE PhD, 2025)
Z Zawolo (UNCC PhD, 2025)
Jake Robinson (UNCC PhD, 2025)

REFERENCES

Available on Request