

# The Nigerian Institution of Highway & Transportation Engineers



(PITTE)

(A Division of the Nigerian Society of Engineers)

NEWSLETTER

JANUARY - MARCH, 2025 EDITION

Vol. 0164

# INAUGURATION OF ENGR. SIR FRANCIS ORIAKHI, FNSE, FNIHTE, AS THE 6TH CHAIRMAN OF NIHTE AND SWEARING IN OF EXCO MEMBERS





#### EDITORIAL

appy New Year to all of us at NIHTE and welcome to Q4, 2024 Edition of the NIHTE Newsletter. It's been a very busy 2024 for the NIHTE and my thanks go to everyone who had helped over the year. Our intention is continuous growth in membership and taking part in NIHTE activities for continuous professional development and rendering service to the Division.

This issue has been a labour of love, patience and awe, as we've all navigated these truly unparalleled and perplexing times. The series for this last quarter Newsletter is to showcase some interesting events. While 2024 has no doubt been challenging, I hope these events bring you hope, joy and pride.

The End of the Year is a time for looking back and for looking forward. Some people make resolutions to break bad habits, create new ones or maintain existing ones. The editorial team of NIHTE today also has a resolution it intends to keep: - we promise to continue to deliver on our promise and collect engaging images, videos, articles and photo galleries related to NIHTE and to keep you, our dear readers informed about breaking and ongoing stories in NIHTE, NSE, national and international communities.

On behalf of the whole Editorial Team, we wish you, your family and friends the very best for the coming Year!

As we enter this holiday season, I wish you a happy and healthy New Year. Please stay safe and thank you again for your patience as we put this together with our team of contributors from around the institution and outside.

Thank you for taking the time to learn more about the work being done in our field and at our Institution. I urge you to reach out to our editorial team and share your thoughts and experiences with them. And of course, if you're interested in writing for next Newsletter, please let us know.

Best regards.

Jones Nwadike Lead Editor





### The Nigerian Society of Engineers

#### REQUEST FOR CLASSIFIED ADVERTS FOR THE NIGERIA ENGINEER MAGAZINE

In our bid to fulfil one of the terms of reference of the Editorial Board which is to generate funds and make The Nigeria Engineer magazine self-financing, we seek the dissemination of e-mail to all corporate members to notify them of the committee's request for classified Adverts for the next edition of the Magazine. The size of the advert should be 4.123 by 3.924 inches and will cost Fifty Thousand (50,000.00) only per advert. Evidence of payment and advert should be forwarded to

editorialcommittee@nse.org.ng

All adverts should reach the committee latest 10° September-December,
2022, this is to enable the committee complete the production of the

magazine by the 15th of September-December,.
Thank you and regards

Engr. Dr. Felicia Agubata, FNSE Chairman, Editorial Board Committee



Dear Esteemed Colleagues,

#### WELCOME TO 2025!

Accept my sincere felicitations to you on the successful cross-over to the New Year. It is the Lord's doing and we rejoice in its marvel. To God be the glory. Exactly a year ago, we commenced the journey of our administration, with me as the 34th President of the Nigerian Society of Engineers. Together, we set out on the course of Rebirthing NSE for the Growth, Empowerment and Advancement of Engineering in Nigeria. Twelve busy months have gone down the line since then. Together, we navigated through our mandate with remarkable tenacity and dedication. Our commitment to advocacies and drive for members' development, enhanced visibility, strategic collaborations and improved community impact were unwavering. As we get back on the tracks for the second lap of the journey, this is a fitting moment to reflect on our modest achievements, celebrate our collective resilience and embrace the opportunities and challenges that lie ahead in the new year.

In 2025, I urge us all to recommit to the core values that define our Society, which include Professionalism, Integrity, Innovation and Community Engagement. Let us harness the collective strength of our diverse expertise in our respective endeavours and foster an environment of knowledge sharing and collaboration to provide ground-breaking solutions for the benefit of our nation and the wellbeing of its citizens. I implore us all to move forward with determination and a spirit of unity as we strive to make a lasting impact in our profession and our country.

I wish you and your families Good Health, Happiness and Prosperity.

Here's to an impactful and inspiring 2025!

Happy New Year!

Best regards,

Engr. Margaret Aina Oguntala, FNSE President/Chairman-in-Council





### Engr. Francis Oriakhi

FNSE, FNIHTE, FNICE, KSM

National Chairman (NIHTE)

AS I ASSUME OFFICE (01/01/2025 TO 31/12/2026) AS THE 6TH NATIONAL CHAIRMAN OF THE INSTITUTION OF HIGHWAY AND TRANSPORTATION ENGINEERS (NIHTE) - A DIVISION OF THE NIGERIAN SOCIETY OF ENGINEERS (NSE).

I wish all members of the Institution of Highway and Transportation Engineers across all the chapters in Nigeria and our stakeholders – ministries, agencies, parastatals, companies, firms and institutions etc. (among which are the Federal Ministry of Works (FMW), Federal Roads Maintenance Agency (FERMA), Nigerian Building & Road Research Institute (NBRRI), Niger Delta Development Commission (NDDC) and Rural Access and Agricultural Marketing Project (RAAMP), a happy new and eventful 2025.

As we commence the journey for the next 2 years of a new EXCO led by me, I use this opportunity to appreciate the immediate past National Chairman Engr. Saidu Hassan, FNSE, FNIHTE, and all our past National Chairmen – Engr. Isa Emoabino, FNSE, FNIHTE, Engr. G.O Anaduaka, FNSE, FNIHTE, Engr. Dayo Oluyemi, FNSE, FNIHTE and Engr. George Nsonwu, FNSE, FNIHTE for their selfless service and contributions to the institution's founding, nurturing and growth over these years. They have brought the institution to this present enviable height it has attained today.

I call on you our esteemed and distinguished members of NIHTE to join hands with National EXCO to continue to build a professional institution that is dedicated to the practice and advancement of Highway and Transportation Engineering in Nigeria. This is key as we continue as an institution to play a crucial role in the professional development of highway and transportation engineers and the improvement, development and turnaround of the highway and transportation engineering practice, delivery framework and system in Nigeria.

A lot of achievements and grounds have been covered by the institution over years of its existence, I am convinced that there is much room for improvement going forward. In the same vein, it is our sincere wish that the legislative and executive arms of our government look favorably at all our road reforms proposals/bills and other various positive suggestions and papers on our road/transportation improvement and maintenance before them.

Let us all join hands to make the Nigerian Institution of highway and Transportation Engineers achieve our primary objective of turning round the practice and delivery of the profession in Nigeria to global best practice standard in the next few years.

Long Live the Nigerian Institution of Highway and Transportation Engineers (NIHTE)

Long Live Nigeria

Sincerely,

Engr. Francis Oriakhi, FNSE, FNIHTE, KSM.

National Chairman - Nigerian Institution of Highway and Transportation Engineers (NIHTE)

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Manuscripts, Letters, Reports, Adverts, Books, Reviews, etc, should be sent to the Editor, NIHTE: nihe2013@yahoo.com or Nihte National Secretariat, c/o National Engineering Centre, CBD, Abuja.

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# 6TH ENGR. FYNE CHIMA OGOLO DISTINGUISHED ANNUAL LECTURE

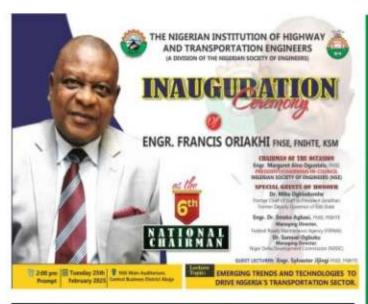






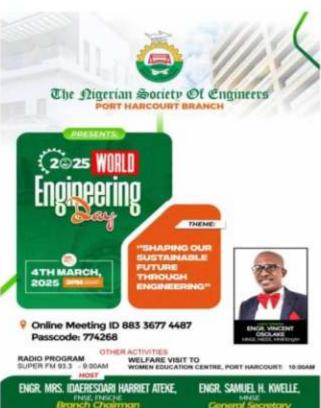














Authors are requested to submit their draft manuscripts, via online @:

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WILDEN IS THE FIRST COUNTRY IN THE WORLD TO HAVE ELECTRIC HIGHWAYS IN WHICH TRUCKS GET CHARGED WHILE MOVING ON ROADS



This picture shows impact of public transport 70 people in Bus VS Car.

### NSE SEEKS STRONGER GOVERNMENT COLLABORATION ON ENGINEERING, INFRASTRUCTURE AND TECHNOLOGY



he Nigerian Society of Engineers (NSE) has called on the Federal Government to strengthen its collaboration with the Society to drive Engineering, infrastructure and technological advancements in Nigeria. This appeal was made by the President of NSE, Engr. Margaret Aina Oguntala, FNSE, during a courtesy visit to the Secretary to the Government of the Federation (SGF), Senator George Akume, CON, on Thursday, January 30, 2024, in Abuja.

During the meeting, NSE President presented NSE's request for the full sponsorship of its proposed Innovation Hub, a technology incubation and product development center aimed at adapting research and technologies into commercially viable products. She highlighted that the initiative is modeled after Taiwan's transformation into a global semiconductor powerhouse and emphasized the importance of policy backing and government funding to drive this vision.

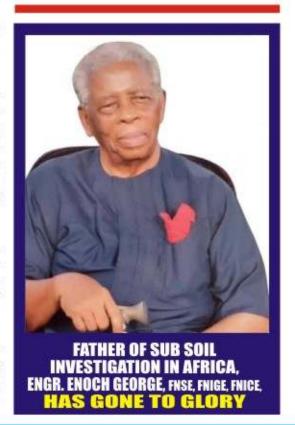
The NSE President also advocated for the implementation of the Engineering Salary Scale, urging the government to approve Level 10 as the entry point for Engineers in public service. She stressed that this move would boost the morale and productivity of Engineers across the country.

Expressing concern over the appointment of non-Engineers to key technical positions in agencies like the River Basins Development Authorities (RBDAs), NSE President called for corrective measures to ensure that only qualified Engineers are appointed to

such roles, given their strategic importance to national development. She further reaffirmed NSE's technical expertise and its ability to provide strategic policy guidance to support sustainable infrastructure growth and national development.

In response, Senator Akume assured NSE of the Federal Government's commitment to partnering with the Society to achieve national development goals. He acknowledged the crucial role of Engineering and technology in shaping Nigeria's economic and infrastructural landscape and pledged government support for NSE's initiatives.

This engagement signals an era of stronger collaboration between the NSE and the Federal Government, aimed at strengthening Engineering policies, driving technological innovation, and fostering sustainable infrastructure development in Nigeria.



# ENGINEERING PROVIDES SOLUTION FOR CLIMATE CHANGE, POLLUTION, INFRASTRUCTURAL DEFICITS

**ENGR. DR. BOLA MUDASIRU, FNSE, FNIHTE** 



ngr. Dr. Bola Mudasiru, a global infrastructure leader and Deputy National Chairman of the Nigerian Institution of Highway and Transportation Engineers (NIHTE), has emphasized that engineering practice holds the key to addressing environmental challenges such as climate change, pollution, and infrastructural deficits globally.

He made this disclosure during his presentation on "Shaping our Sustainable Future Through Engineering" at the 2025 Federation of African Engineering Organisations (FAEO) Presidential Inauguration and World Engineering Day in Botswana.

Engr. Bola highlighted the critical role engineering plays in creating a sustainable future through green technology, regenerative design, and enhanced infrastructural development for a better society. He outlined the presentation's objectives as interconnected sustainability, digitalization, and emerging technologies that shape future resilience.

On World Engineering Day, Engr. Bola reiterated that the engineering profession plays a crucial role in shaping a technologically advanced, sustainable future by ensuring a livable world for generations to come. He stressed that this transformative journey fosters continuous improvement in sustainable practices and develops innovative solutions for resilient urban futures.

"Sustainable engineering is no longer a niche concept but a fundamental imperative for global prosperity, considering the world's environmental challenges, resource depletion, and pollution," he said. "Engineering, with its power to design, create, and optimize, holds the key to addressing these challenges."

Engr. Mudasiru emphasized engineering solutions for harnessing renewable energy sources (solar, wind, hydro

power), Designing infrastructure that minimizes environmental impact (green buildings, sustainable transportation systems, eco-friendly water management).

"Reducing greenhouse gas emissions (carbon capture and storage, climate-resilient infrastructure) waste reduction, recycling, and upcycling, promoting a circular economy that prioritizes inclusivity, equity, and social justice. He also highlighted emerging factors such as renewable energy, microgrid systems, AI, robotics, Internet of Things, and smart infrastructure.

Looking ahead, Engr. Bola Mudasiru emphasized the need for continuous learning, global collaboration, ethical leadership, and measuring impact to drive improvement in sustainable practices. By embracing sustainable engineering practices, we can create systems that enhance financial success while prioritizing h u m a n well-being and environmental stewardship.



# NIHTE INDUCTS 6TH NATIONAL EXECUTIVE, REAFFIRMS COMMITMENT TO ROAD INFRASTRUCTURE



he Nigerian Institution of Highway and Transportation Engineers (NIHTE), has inaugurated its 6th National Executive Committee, with a commitment to enhancing service delivery and upholding professional standards for improved road and bridge construction across the country.

During his inaugural speech yesterday in Abuja, the newly elected national chairman, Engr. Francis Oriakhi, emphasised his administration's dedication to advocating for the road Bill, which seeks to establish a structured framework for the development, management, and maintenance of Nigeria's road network.

Oriakhi highlighted key provisions of the bill, including: "The creation of the Federal Road Authority to oversee federal road management and maintenance.

"A new road classification system distinguishing federal, state, realities," he noted. and local roads "The establishment of a Road Fund to ensure dedicated funding for road maintenance and development."

He described the bill as a crucial step toward addressing Nigeria's road infrastructure challenges and ensuring sustainable development.

The chairman reaffirmed his administration's commitment to fostering professional development.

"We will promote career growth by strengthening affiliations with international bodies like the International Road Federation and other reputable training institutions," he stated.

He emphasised monitoring and mentoring young engineers, collaborating with government agencies to enhance knowledge sharing, and bridging the skill gap in highway engineering.

Also, chairman of the Inauguration planning committee and deputy national chairman, Engr. Bola Mudasiru stressed the significance of the event's theme: "Emerging Trends and Technologies to Drive Nigeria's Transportation Sector."

"This theme reflects our commitment to innovative solutions that

will transform Nigeria's transportation sector, promoting efficiency, sustainability, safety, and economic growth," he said.

Mudasiru reiterated NIHTE's vision to advance highway and transportation engineering, fostering excellence, innovation, and professionalism among its members.

Delivering the keynote address, Engr. Sylvester Jijingi lamented challenges such as inadequate government funding and bureaucratic bottlenecks, which hinder timely project execution and engineering activities.

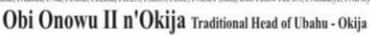
Similarly, the Immediate Past National Chairman, Engr. Saidu Hassan, urged the new leadership to build upon past achievements, stressing the need for sustained engagement with the National Assembly to secure funding and legislative backing for crucial road projects.

"Our road infrastructure requires more attention. We must ensure that highway funds and the proposed Federal Road Authority become realities," he noted.





## His Royalty Otis Oliver Tabugbo Anyaeji KtSGG, FAEng FNSE, FEI (U.K.), FNIMeche, FAunoel, E. Val, FCoste, FEEcon, FICEN, FSESN, FIMC, FNISET (Hon), Dot. Fellow PEFON, FNISafetye, FNIPolymere, KSM





#### LIVING LONG AND STRONG:

PA ENGR. FOLASODUN ADEBISI SHONUBI FAEng FNSE FNIMechE PhD @ 90 Reflection By HR Otis Anyaeji KSG FAEng FNSE, Obi Onowu II n'Okija

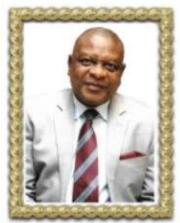
uring my penultimate and ante-penultimate years at the University of Nigeria circa 1974-76, one used to study in the nights within the Agbebi College of Engineering Library. After studying for about one and a half hours, one would observe a break for about ten minutes flipping through magazines in the library. The magazine of choice then was the Nigerian Engineer. With my level of engineering formation, I could best relate with the call-card advertisement section of the various editions of the magazines on display. Therein I took notice of the firm named MEK-IND ASSOCIATES ( Consulting Mechanical, Electrical, Industrial & Agricultural Engineers). It had the most comprehensive scope of professional services on offer. There were also other professional engineering firms Finco Engineers, UNECON Associates, Yaroson & Partners etc whose scopes offerings were less broad line. I convinced my Project Work Partner, Emmanuel Chukwuneta, of the need for us to go to Lagos, in March 1975, to meet these firms and learn first hand from them what Consulting Engineers really do. As advertised on the magazine, most of them were located on Oil Mill Street, Lagos Island. We thus went there, only to learn that virtually all of the firms had moved to Ilupeju district. On getting to the latter, we located Mek-Ind Associates office, and met Dr. Onafeko, the Agricultural Engineer. He informed us that the mechanical engineer partner in the firm, Dr. Shonubi, had travelled on a Nigerian Society of Engineers assignment as their General Secretary. Much later it turned out that Dr. Shonubi and I were two of the six engineers that served as both General Secretary/Secretary General and President of NSE. The others were J. O. Oyeleye, G. O. Aiwerioba, A. O. Faluyi, H. A. Gumel. Dr. Onafeko then went on to respond to our enquiries on what consulting engineers do. It was from him we learnt that CEs profer advice to Clients on efficient utilization of scarce resources in an independent and unbiaised manner.

While catching on the poetic effect of that definition of consulting engineering, one there and then resolved to take to a consulting career, and to meet the mech partner in MEK-IND, as soon as possible, for guidance. The meeting and guidance did not happen as desired. However in the fullness of time one had the opportunity to meet Dr. Folasodun Adebisi Shonubi FNSE in December 1988, in Abeokuta, when at the NSE AGM in Abeokuta, he was contesting for 1st Vice President, and I was contesting for Secretary General. Both of us were successful. And so in January 1989 became members of the Executive Committee of the Nigerian Society of Engineers . Meanwhile, one was promoting the sensitization of various publics on the role of the engineers as valuers of assets. 1st VP Dr. Shonubi called me to the side, and informed me that the first job he did as a consultant was on asset valuation. He urged that I do not relent in the struggle to safeguard the engineers' turf in valuation in Nigeria, and offered his assistance anytime it was needed.

In this regard, up till the time NSE submitted a Minority Report in March 1989, on the Consultative Assembly on the Reform of Companies Act of 1968, our complaint had been that Sec. 137 of the draft Companies law did not recognize engineer as 'valuer' whereas Sec. 41(3) of Companies Decree 1968 being reformed recognized 'Engineer,' for the purpose of statements in prospectus for shares or debentures. About the middle of 1990, Dr. Shonubi called me, and to my greatest delight informed me that Sec. 554 of the Companies & Allied Matters Decree No. 1 of 1990, the product of the Reform Assembly, still recognized 'Engineer' as expert for statements in prospectus. On further scrutiny of of C. A. M. Decree No. 1 of 1990 clause by clause, one discovered that Sec. 603 also recognized Engineer's report, opinion or statement for bid under a takeover bid or director's circular. Our strategy then had to change.

To be contd. in the Journal

## **EXECUTIVE MEMBERS, NATIONAL**



Engr. Francis Oriakhi mse, mene, mece, xsm NATIONAL CHAIRMAN



Engr. Dr. Mudes inv J. Bole Fise Field Fine, Field, CFPN, MASCE DEPUTY NATIONAL CHAIR MAN



Engr. Ayotunde Ogunnoliki, nos, nente National WCE CHARRMAN



Engr. Edmond C. Mikalu, ser, sente National Vice Chairman



Engr. Dr. Adekunte C.Olaaye, FNSE National Vice Chairman



Engr. Felix Nwankwa, MISE, MILITE GENERAL SECRETARY



Engr. Abu bakar J. Olatun ji MNSE MNRTE ASST. General Secretary



Engr. Jones Wwadike, net, nert, ner, num, rsir. TECHNICAL SECRETARY



Engr. Imo Ukpong, HISTORICE, HIBME, HASCE ASSIST, TECHNICAL SECRETARY



Engr. Rufai Abdulazeez, nsc.no-z Fenancial Secretary



Engr. Esther Oluwakemi Oladeji, Mese, Minite, Minge, Apwen Assist, Financial Secretary



Engr. Chi di Ob iud v Matthew MNSE FranTE Tre asurer



Achi Chigazie Hwab ugo Ex-Officio



Engr. Rufiu Adekunie FNSE, FNBATE Ex Officio



Engr. Friday Elaigwa неяднямия EX-OFFICIO



Engr. Soldu Hosson, FNSE, FARKTE IMMEDIATE PAST CHAIRMAN



# The Nigerian Institution of Highway & Transportation Engineers



## PICS FROM INAUGURATION OF ENGR. SIR FRANCIS ORIAKHI, FNSE, FNIHTE, AS THE 6TH CHAIRMAN OF NIHTE AND SWEARING IN OF EXCO MEMBERS















