SOCIETY OF PETROLEUM ENGINEERS
Section 103 Port Harcourt

HYBRID EVENT

2022 YOUNG PROFESSIONAL SYMPOSIUM

REGISTRATION FEE
2,000 Naira

DATE
23rd April, 2022

VENUE
Casoni International Hotels & Suites Ltd.
No. 6 Presbyterian Close, Off Stadium Road,
Port Harcourt.

REGISTRATION LINK
https://tinyurl.com/spe-ph-yp-symposium

THEME:

POWERING THE JOURNEY TO NEW ENERGIES:
A Premise for an Effective Transition Readiness

SPONSORS: KENYON, BISMUTH ENGINEERING, SeaQuest EPS

KEYNOTE SPEAKER

Kamel Ben-Naceur
2022 SPE President

PANELISTS

Chikezie Nwosu
M.D/CEO Waltersmith Petroman Oil Limited

Belinda Ikazoboh
General Manager, Business Transformation, Shell

Omotayo Hassan
Renewables Explorer, TotalEnergies Marketing Nigeria Plc

Prince Abangwu
Regional Division Manager, Digital & Integration, West Africa, Schlumberger

Dr. Rita Okoroafor
Postdoctoral Scholar at Stanford Center for Carbon Storage

BREAKOUT SESSION

Dr. Henry Dumbiri
CEO, Primag Associates Limited
Topic: Solar Energy

Jenifer Avellaneda Diaz
PRA Nuclear Engr, Westinghouse Electric
Topic: Nuclear Energy

Dr. Chijioke MAMA
M.D, Meiracopp Nigeria Limited
Topic: Hydrogen

Cristina Nenu
P.M, CO2 Capture & Utilization, Shell
Topic: Carbon, Capture, Utilization and Storage (CCUS)

TIME:

Short Courses Starts: **8AM**
Event Time: **10AM**

SPECIAL GUESTS OF HONOUR

Oghogho Effiom
African Regional Director, SPE

Prof. Olalekan Olafuyi
Chairman, SPE Nigeria Council

HOST

Dr. Amieibibama Joseph
HOD, Petroleum and Gas Engineering, UNIPORT,
PGD Coordinator, IPS
Chairman, SPE Port Harcourt Section

SHORT COURSES

Victor Anisi
Technical Lead,Trainiton Ltd
Course title: Fundamentals of Power BI

Arnold Obomanu, PMP
Team Lead, Subsurface & Wells Application Support, Shell
Course title: Introduction to Project Management

Erasmus Nnanna
Senior Production Technologist, Shell
Course title: The basics of Well, Reservoir and Facility Management (WRFM)

Cassandra Dewan
Process Engineer/ PhD Candidate Universidade Federal do Rio de Janeiro
Course title: Fundamentals of Energy Transition

CAREER FAIR

Umunna Odinakachi
Reliability Engineer/ Energy Professional, Shell

Galbina Igbedion
HR Manager,
Topline Limited

Onyekachi Igwe
Country Manager, Study Globally Nigeria

DR. AMIEIBIBAMA JOSEPH
SECTION CHAIRMAN

DANIEL ABIA
PROGRAMS CHAIRMAN

DORCAS OTIS KURO
YP CHAIRPERSON

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WELCOME ADDRESS

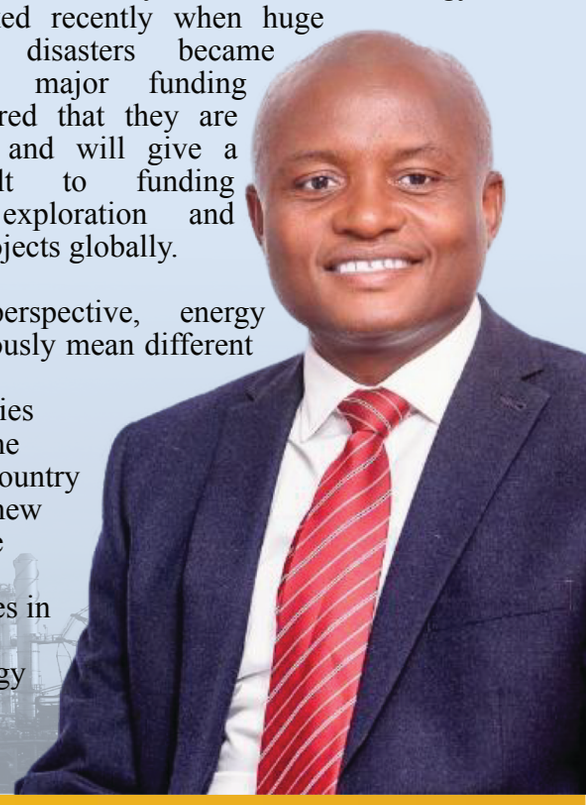
WELCOME AND OPENING REMARKS BY THE SECTION CHAIRMAN OF THE SOCIETY OF PETROLEUM ENGINEERS (SPE) SECTION 103 PORT HARCOURT

O**Our Keynote speaker**, the 2022 SPEi President, KAMEL BEN-NACEUR

Our Special Guests of Honour,
The African Regional Director, OGHOGHO EFFIOM
And Our Amiable Council Chair, Prof Olalekan Olafuyi,
The BOT and Council members of SPE Nigeria
Our Panelists
The MD/CEO Waltersmith Petroman, Mr Chikezie Nwosu,
The GM Business Transformation Shell, Belinda Ikazoboh
The Renewables Explorer, Total Energies Marketing Nigeria, Omotayo Hassan
Regional Division Manager, Digital & Integration, Nigeria and West Africa Schlumberger, Prince Abangwu,
Our very own Post Doctoral Scholar at Stanford Centre for Carbon Storage Dr. Rita Okoroafor
The moderator of the Panel Session, Resourcing Lead Nigeria/SA Franchise, Shell, Samuel Okonkwo
Our Short Course Lecturers
Section Directors and Senior Members of SPE PH Section
SPE PHC Board and Ex-Officio members
Our Engine Room, vibrant and indefatigable Young professionals
Students and invited guests
Ladies and Gentlemen

You are all welcome to the award winning SPE section, Section 103, Port Harcourt. We are the SPEi Presidential medal holders and the 2021 ALP Outstanding Achievement Award Winning Section of the Globe. I most specially welcome the SPEi President to this year's YP symposium themed: **"Powering the journey to new energies, a premise for an effective transition readiness".** As one with an indept knowledge of the oil and gas industry and very much savvy with the energy transition agenda, we are glad to have you here and other major stakeholders like Mr Chikezie Nwosu.

It is no longer news about the global concerted efforts among stakeholders to drastically reduce carbon emission also called global decarbonization. The global decarbonization campaign is a paradigm shift primarily geared towards the adoption of energy transition strategies and policies designed to move the global energy sector away from fossil fuels and towards zero-carbon energies by 2050 as proposed in the Paris Agreement. Indeed, there is a universal acceptance of the need to transition in order to reduce energy related CO_2 emissions footprints and limit climate change. However, it also very important to note that whilst aggressive energy transition programmes are being pursued in developed countries and by the international oil companies, many developing countries, and especially those with hydrocarbon-dependent economies such as Nigeria, require a more gradual and flexible approach to energy transition. The outcry and the clamour for transition from fossil fuels to other cleaner energies has gained serious momentum in recent times. Whereas this outcry may be genuine following the environmental impacts associated with the use of fossil fuels, it is obvious that this transition may be sudden to some ill prepared countries than those countries already championing this transition agenda. The question is, how ready are we to transit and ensure energy sustainability? The fuzz about energy transition peaked recently when huge environmental disasters became apparent and major funding agencies declared that they are moving away and will give a complete halt to funding hydrocarbon exploration and exploitation projects globally.



From my perspective, energy transition obviously mean different things to different countries depending on the readiness of a country to adapt to the new changes and the availability of inherent energies in countries to guarantee energy sustainability.

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In other words, for some countries, energy transition mean a complete disuse of fossil fuels and the adoption of renewable energy sources whereas, to others it could mean a mere transition between fossil fuels-from dirty oil to cleaner and more environmentally friendly natural gas. The truth is that for countries like Nigeria that does not have the requisite infrastructure in place will find it more difficult to drift completely from fossil fuels to new energies.

Therefore, to guarantee energy sustainability, energy transition should be a gradual process in promoting economic growth by gradually investing in renewable energy sources whilst continuing to exploit more environmentally friendly fossil fuels like natural gas.

Nigeria is more of a gas province than oil. It is estimated that Nigeria is estimated to have approximately 201Tcf of proven gas reserves, out of which about 102 Tcf is Associated Gas and 99 Tcf are Non- Associated gases. There is also an estimated 600Tcf of unproven gas resources. Obviously, since the inception of oil and gas production in Nigeria, no deliberate or dedicated efforts have been made to explore for gas, thus most discoveries are incidental discoveries in search for oil. Following its abundance and being more environmentally friendly than oil, it is imperative that we transit from oil to the use of natural gas while gradually building the right infrastructure to domicile renewables as alternatives to fossil fuels if that could be feasible to guarantee energy security. This opinion is in tandem with the position of the Federal Government of Nigeria during the COP 26 Climate Change summit in Glasgow where the President, His Excellency Muhammadu Buhari proclaimed that Nigeria's transition fuel is Natural Gas, and that whereas his administration reaffirms its commitment to clean energy transition and also recognized that truly, efforts to achieve net-zero ambition targets can lead to economic transformation across all sectors; funding is critical, first to build the critical infrastructure to exploit natural gas to pave way for the dominance of renewable energies. Abruptly abandoning this God's gift of nature to pursue other energies with little or no infrastructure in place and with limited technical know-how could cause serious global energy sustainability challenges.

Moreover, it is well established statistically that Africa has low levels of CO_2 emission compared to the rest of the continents in the world. For example, Nigeria has very low levels of CO_2 emissions, about 0.61t CO_2e per capita compared to 14.24t CO_2e per capita in the USA and 4.85t CO_2e per capita in the UK respectively. Although, in terms of greenhouse gas emissions, Nigeria is ranked the seventeenth largest emitter of greenhouse gases globally mainly from methane and CO_2 emissions. Already, Nigeria is aiming to reduce greenhouse gas emissions by 20% by 2030 through anti-gas flaring regulations and working closely with oil and gas companies. Therefore, emphasis should be more on how to harness natural gas effectively as an alternative for oil in Nigeria.

Energy sustainability and security is key to any nation's existence. When it comes to energy supply, demand and security, he who blows the piper, dictates the tune. We can see the impact of Russian- Ukraine war that caused the sudden rise in the price of crude oil globally. The insistence of Russia to default on preexisting agreements with European countries to henceforth transact business in Russian Ruble or else they will close the valves of gas supply is also an eye opener! These threats has created sudden imbalance and given countries opportunities to have a rethink and return to the drawing board to restrategize on how best to ensure energy security. Ladies and Gentlemen, I am very happy we have in our midst experts who are very much knowledgeable about this subject and I am optimistic, they will inform us on how ready we are and guide us properly on the best ways to transit. I welcome you once again to this symposium and declare this event open.

Dr. Joseph Amieibibma
Section Chair

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PROGRAM OF EVENT

Hrs	Activity
8:00	**Short Courses:** 1. Fundamentals of Power BI 2. Introduction to Project Management 3. The Basics of Well, Reservoir and Facility Management (WRFM) 4. Fundamentals of Energy Transition
9:50	**Music Interlude**
10:00	**Opening Session:** Recognition of Invited Dignitaries
10:10	National Anthem
10:15	Welcome Address
10:20	Opening Remarks
10:25	Sponsors Remarks
10:35	**Music Interlude**
10:40	**Keynote Presentation:** The Role of the Oil and Gas Industry and its Young Professionals in the Delivery of a Sustainable Transition to New Energies.
10:55	**Music Interlude**
11:00	**Panel Session:** Powering the Journey to New Energies - A Premise for an Effective Transition Readiness.
12:00	**Music Interlude/ Fun Games**

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PROGRAM OF EVENT

Hrs	Activity
12:05	**Debate Session:** Natural Gas and Nuclear Energy can be considered as Green Energy Sources in the Energy Transition Journey – FOR or AGAINST
12:40	Recess for Lunch
13:25	Music Interlude
13:30	**Career Fair/ Gist** 1. Young Talent Readiness for the Transition 2. Immigration for Greener Pastures 3. Excelling at the Workplace
14:30	Music Interlude
14:35	**Breakout Session:** **New Energies Themes** 1. Carbon Capture, Utilization and Storage (CCUS) 2. Hydrogen 3. Solar Energy 4. Nuclear Energy
15:35	**YP Spotlight Initiative**
15:40	**Wrap Up:** 1. Group Photograph 2. Gift Debate Participants 3. Raffle Draw Winners Announcement
15:50	**Closing Session:** Closing Remarks
16:00	National Anthem

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SYNOPSIS OF EVENT

Energy is the fulcrum that propels industrialization in both developed and developing economies. The essential requirement to sustainably meet the ever-growing global energy demands while maintaining minimum environmental impact associated with the recovery and utilization of the conventional energy sources has birthed the need to explore alternative and green energy sources.

Despite the continuously increasing drive to implement full transition to new energies from the currently dominating conventional sources, there is a need for a deliberate, strategic and well-paced transition roadmap that integrates all stakeholders for an effective and successful transition journey. While ridden its own challenges, the conventional energy sources are playing and will continue to play a critical role in ensuring the desired sustainable energy future is achieved.

This symposium will focus on the readiness of the oil and gas industry and its Young Professionals for these emerging energy frontiers with focus on establishing a strong understanding of the necessary skills and attributes required for an effective transition to new energies.

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EVENT SPONSORS RECOGNITION

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Kenyon International West Africa Company Limited; a leading and growing international company located in Nigeria incorporated to provide well integrity remediation and management and well intervention production restoration.

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- Conductor piling
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- Coiled tubing
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C. Well Remediation Services

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D. Well Control Services

- Well capping

E. Idle and isolated well management

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Bismuth Engineering Limited

DPR Licensed, Registered with Dun & Bradstreet-

Bismuth Engineering Limited is an energy service company with expertise in services including engineered chemistry, well bore clean out services, information and communication technology solutions, fabrication, rehabilitation and upgrade of tanks and industrial equipment and general engineering procurement and construction(EPC). We focus on providing your business with services related to manufacturing and procurement of production and drilling chemicals, specialty and household chemicals, hardware and software solutions, leasing and sales of industrial equipment that enables your business to achieve core objectives and maximize returns on your investments.

These include:

- Industrial Chemicals: Glycols & Chlorides, Hydroxides & Oils, Acids & Alcohols, Aromatics & Ketones, Lubricants & Greases, Carbonates & Amines, Emulsifiers & Cleaning Agents.
- Industrial Equipment: Surface & Overhead Tanks, Pumps & Compressors, Pipelines & Welding Works,Trucks & Forklifts, Mobile & Crawler Cranes, Boats & Barges, Excavators & Swamp Buggies.
- Industrial Services: Engineered Chemistry, Calibration, WellBore Clean Out, Wire Rope Maintenance & Procurement Services, Tank Cleaning & Hydro Jetting, Warehousing & Storage, Engineering Procurement & Construction and ICT Solutions.

We are technical partners with top specialty chemicals, fabrication and ICT companies with global reach, we are registered with Dun & Bradstreet, the Department of Petroleum Resources (DPR) and currently provide services for clients involved in production and drilling solutions, manufacturing of cosmetics and paints, wellbore clean out and pump maintenance, hardware & software solutions, fabrication and leasing of industrial equipment. We are well positioned to provide same support to your operations.

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Lagos Office: No. 1, Plot 12, Shekoni Street, Surulere.

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Production & Drilling Chemicals;Equipment Sales & Fabrication; ICT Solutions

SeaQuest EPS

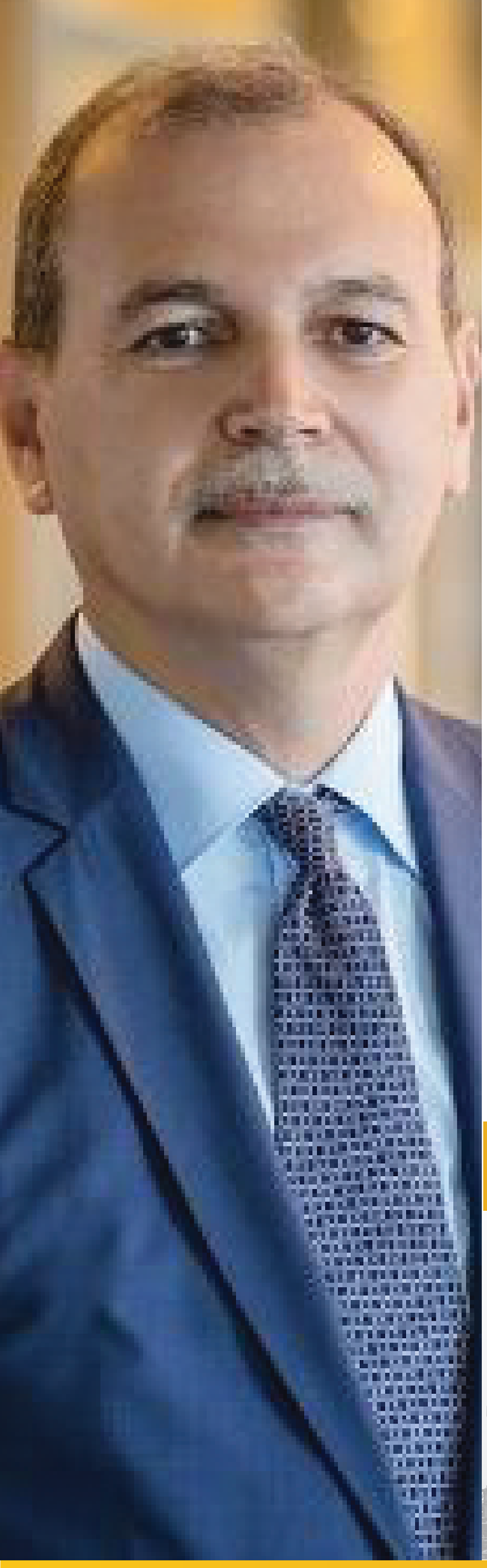
SeaQuest EPS is a wholly-owned Nigerian company poised with a strong philosophy to be a leading provider of exploration & production services in Nigeria and sub-Saharan Africa.

We currently render world-class services in Petroleum Engineering Consultancy, Production Optimization Services, Drilling and Evaluation Services, Drilling and Production Chemicals and Measurement & Testing Services to the oil & gas sector in Nigeria and sub-Saharan Africa.

Our focus at SeaQuest is to deliver maximum value to our clients through the provision of cutting edge innovative/technical solutions, high-quality and cost-effective solutions in a timely manner. We deliver our projects with excellence while maintaining low cost, supported by deep knowledge and understanding of challenging areas we operate within.

Our 'Local First' eye view approach makes our operation optimal and ensures we work sustainably within our regions and communities for mutual long-term benefit. We are committed to adding value across all required operations from our local communities to our environment.

Our client lists include; SPDC, Seplat Energy, Chevron, HHOG, NPDC, Mobil



SPECIAL GUEST OF HONOUR & KEYNOTE SPEAKER

Kamel Ben-Naceur is the CEO for Nomadia Energy Consulting, based in Abu Dhabi. He was previously the Chief Economist for Abu Dhabi National Oil Company (ADNOC). Prior to that, he was the Director for Sustainability, Technology and Outlooks at the International Energy Agency. In 2014, he was appointed Tunisia's Minister for Industry, Energy and Mines. From 1981 to 2013, he held key positions with Schlumberger, including Chief Economist and Technology President. His assignments with Schlumberger included France, USA, UK, Algeria, Venezuela, UAE, Egypt, Russia and Brazil.

He has more than 40 years of experience and knowledge in the energy and industry sectors around the world in both public and private service, and is the (co-)author of 19 books and over 150 publications. He has received several SPE/AIME Awards, including the Distinguished Member, the Distinguished Service, AIME Charles Rand Gold Memorial, and the Sustainability and Stewardship in the Oil and Gas Industry Award, and he was a SPE Distinguished Lecturer. He is a graduate from Ecole Polytechnique (Paris) and Ecole Normale Superieure (Paris).

He is currently the 2022 SPE International President.

Kamel Ben-Naceur

Chief Executive Officer

Nomadia Energy Consulting

SPECIAL GUEST OF HONOUR

Oghogho Effiom
Africa Regional Director

Prof. Olalekan Olafuyi
Nigeria Council Chairman

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PANEL SESSION

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Samuel Okonkwo

Resourcing Lead Nigeria/SA/Franchise, Shell

Samuel Okonkwo is an HR Professional with diverse work experience within different countries and continents. He is currently the Resourcing Lead for Shell in Africa and 38 other Franchise countries cutting across 6 continents. Outside of work, Sam is a published author with three different books to his credit. He also runs a weekly YouTube channel and is a gold member of Toastmasters international amongst others.

Chikezie Nwosu

M.D/CEO Waltersmith Petroman Oil Limited

Mr. Chikezie Nwosu is an experienced senior executive with 30 years local and international experience in the oil & gas industry with demonstrated expertise in the management of upstream oil & gas projects, new business development, divestments and acquisitions, midstream gas and downstream refining; delivering Nigeria's first modular refinery amidst the COVID-19 pandemic in October 2020. Chikezie is a strong energy professional with a proven track record of excellence in managing technical and non-technical business and project risks and opportunities, having worked with leading international oil and gas companies including Shell International E&P B.V. the Netherlands as a Global Principal Technical Expert and Asset/ Subsurface Development Manager (New Business Development), Qatar CO2/EOR, Member, Technical expert and Value Assurance consultant in the Shell International Group's Top 70 and Emerging Top 70 Projects, SIEP B.V., as Regional Manager for Sub-Saharan Africa in Petroleum Engineering and Senior Front-End Project Manager in Shell Companies in Nigeria, retiring in 2012. Mr. Nwosu then joined SINOPEC-Addax Petroleum as General Manager Development & Asset Management, in 2012, delivering 5 major upstream oil projects, and then was appointed Acting Deputy Managing Director (Technical).

Mr. Nwosu has held Senior Executive positions in SINOPEC-Addax Petroleum Nigeria Limited, as Deputy Managing Director (Technical) and a member of the Board of Directors of both Addax Petroleum Development Nigeria Limited (APDNL) and Addax Petroleum Exploration Nigeria Limited (APENL) and for Tolea Energy B.V. the Netherlands, a small independent Energy Investment firm, as Executive Vice-President for Business Development and Africa.

He is a graduate of the University of Ife (Nuclear Engineering Science), holds an M.Sc with distinction in Physics from the Ahmadu Bello University Zaria, (majoring in Theoretical Nuclear Physics), and is a member of several professional organizations including the Society of Petroleum Engineers (2017/2018 SPE Nigeria Council Chairman and member Board of Trustees), Nigerian Association of Petroleum Explorationists (NAPE) and currently serves on the Advisory Council of the Nelson Mandela Institute's African University of Science and Technology (AUST), Abuja.

In October 2019, Mr. Nwosu was appointed the Managing Director and Chief Executive Officer of Waltersmith and effective November 21, 2019 was appointed as a Director on the Board of Waltersmith Petroman Oil Limited and Waltersmith Refining & Petrochemical Company. Mr. Nwosu is also driving the transition to renewable energy sources in all Waltersmith operations and projects through a planned 1000 MW renewable energy project to power an Eco-Industrial and Innovation Park, in partnership with UNIDO and UNECA, and strongly believes that industry, not government, will lead the Energy transition in Africa to achieve carbon neutrality. .

Prince Abangwu

Regional Division Manager, Digital & Integration, Schlumberger, Nigeria and West Africa

Prince Abangwu is the Regional Division Manager of Schlumberger Digital & Integration for Nigeria and West Africa. Prince is also a Principal Petrophysicist and has over 17 years' experience in the industry. He has worked in many countries across Africa and Europe. He is a member of SPE and SPWLA and has held board and committee positions. He is currently a member of SPEi Awards and Recognition Committee having also served as Chairperson, Cedric Ferguson Sub-committee for the Society of Petroleum Engineers. Prince has authored and presented multiple technical papers in many international conferences. Prince is also a trustee of Prince Abangwu Foundation, a non-governmental, a non-profit organization with a mission to leverage educational, vocational and general social entrepreneurship elements for talent development, enabling attainment of divine ordained capacity for impact to society and the nations.

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Belinda Ikazoboh

General Manager, Business Transformation, Shell Nigeria

Belinda is currently GM Business Transformation, a role she assumed in December 2019. She is accountable for driving transformational change, including Digital and technology to unlock significant value at all levels of the organisation. Prior to this job, she was the Plant Manager at Bacton gas terminal, one of the critical national infrastructures in the UK. Under her leadership she deepened the culture of care and led a process driven organisation resulting in sustained performance in safety leadership, sharper cost focus and top quartile availability for the asset. She was instrumental in engaging with external stakeholders and securing commercial support to anchor Bacton as the plant-of-choice for more 3rd party gas processing.

She has also worked in various lines of business in Shell Upstream, Non-Operated ventures, Production Excellence, Projects and Technology. Her roles have spanned across technical, project, operational and global support in Europe, Middle East, Asia and Africa. In these roles, she co-championed end-to-end integration, digital transformation, maintenance and operational readiness and production excellence in projects and upstream facilities. Belinda Ikazoboh believes in care for people at the core of what she does and inspires, develops and coaches people to deliver at their best whilst achieving personal growth. Belinda holds a Mechanical Engineering degree from Brunel University, a master's in engineering asset management from Robert Gordon University and is also a chartered engineer with the institution of mechanical Engineers (ImechE).

Dr. Rita Esuru Okoroafor

Postdoctoral Scholar at Stanford University

Dr. Rita Esuru Okoroafor is a Postdoctoral Scholar at Stanford University, Stanford Center for Carbon Storage. Before embarking on a Ph.D. at Stanford University's Energy Resources Engineering department, where she investigated optimal ways of harnessing Enhanced Geothermal Systems, Dr. Okoroafor was a Principal Reservoir Engineer with Schlumberger. She garnered 13 years of oil and gas experience in several roles and locations.

Dr. Okoroafor is an avid SPE and Geothermal Rising volunteer. She was a recipient of the SPE Africa Region Reservoir Dynamics and Description Award (2017), SPE International Young Member Outstanding Service Award (2016), and SPE Africa Region Young Member Outstanding Service Award (2014). Dr. Okoroafor started out her SPE journey as a Student member of SPE Uniport Chapter, holding the roles of Secretary and Vice President in different years. She later went on to serve in the SPE Section 103 Board in various capacities before moving to Lagos, where she joined SPE Section 61. Dr. Okoroafor is passionate about mentorship and diversity, equity, and inclusion. She is known for her excellent people and time management skills. She is an author of two novels, and is married with children.

Omotayo Hassan

Renewable Explorer, Total Energies Marketing Nigeria PLC

Omotayo Hassan is a corporate/project finance professional offering 18 years' experience in leading transactions primarily in the power & utility sector. He has successfully advised governments and corporations on a range of transactions including mergers & acquisitions, corporate restructurings, and the procurement of large-scale power generation projects. He has led business development, project development and contract negotiations with large scale utilities and private power developers. Omotayo has extensive experience working for Fortune 500 corporations in the United States and power & utility consulting in Nigeria.

Omotayo provided technical, commercial, and financial consulting to the Nigerian Bulk Electricity Trading PLC under the Power Africa Transactions Reforms Program (PATRP) managed by the United States Agency for International Development (USAID) since the inception of NBET, he worked at Constellation Energy as Operational Finance Senior Manager, Verizon Communications as a Manager in Corporate Finance, and prior to that as a Specialist in Financial Planning and Analysis. As an Embedded Power Africa Transaction Advisor for NBET PLC, Omotayo worked directly with Independent Power Producers on their project finance financial models, negotiated commercial terms of the project with IPP's and worked closely with the regulatory staff on issues related to power procurement and power generation. He provided support on the development of NBET's regulatory positions regarding power procurement and maintains an advanced level of knowledge about the electricity supply marketplace in areas that are most relevant to power procurement and power generation.

Omotayo as a USAID Embedded Senior Commercial Transaction Advisor for the National Integrated Power Project (NIPP) privatization. Omotayo provided transaction advisory Services to the Niger Delta Power Holding Company (NDPHC), the holding company for the NIPP power plants. NDPHC is mandated to privatize the 10 NIPP power plants, transmission, distribution and gas assets to investors and relevant operators. Omotayo's role included advising NDPHC of the optimal structure and implementation process for the privatization and asset transfer. He was responsible for working with NDPHC on the necessary legal, technical and financial due diligence for the transaction. Furthermore, he assisted in preparing transaction plans and bidding documents, and managed the transactions of 10 gas fired power generation stations with total capacity of 5,000 MW, 4 gas pipeline and flow station projects, and its transmission and distribution assets. Omotayo is currently the Renewables Explorer at TotalEnergies. Omotayo is responsible for initiating and accelerating the development of utility scale renewable projects in Nigeria. He is responsible for developing Solar, Wind (Onshore & Offshore) and battery storage projects in Nigeria.

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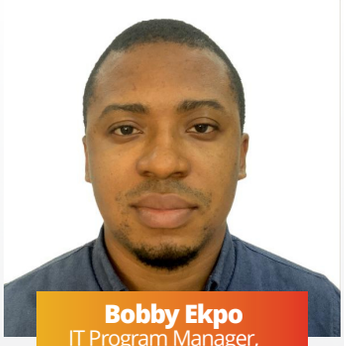
SHORT COURSES

Course Facilitators



Bobby Ekpo
IT Program Manager, Shell

Bobby Ekpo is a Project Manager with experience in Business Analysis, Enterprise digital transformation and technology architecture and design.

Managed the design, delivery and operationalizing of multiple software initiatives of varying scale across the Financial Services and Energy industry. Experience delivering software projects aimed at improving revenue generation, customer experience and operational efficiency using various delivery methodologies. Software solutions managed include business intelligence, robotic process automation, card management system, digital identity, and single sign-on platforms.

Inspired by new technologies and keen as to how they can be leveraged to improve living conditions and experiences of people. Also enjoy discovering new TV series, listening to diverse podcast genres and discussing topics relating to technology, entertainment and leadership

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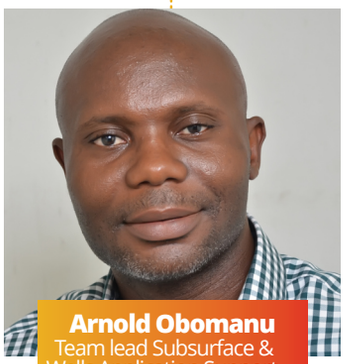

Arnold Obomanu
Team lead Subsurface & Wells Application Support, Shell

Arnold Obomanu leads the Subsurface & Wells Workflow team in Shell Nigeria with over 20 years of E&P industry experience. He is primarily responsible for the speedy deployment and embedding of exciting technologies and projects across the Shell Nigeria subsurface business. He focuses on preventing value eroding issues, thereby reducing NPTs for subsurface professionals, speeding up agreed deliverables and reducing UDC. Previously, he led the Development Technical Data Management team in SPDC, responsible for ensuring Petroleum Engineers have "trusted data at their fingertips", with great outcomes.

These roles require extensive stakeholder management, service delivery, significant change management, contract management and project management skills. Arnold holds a BSc in Computer Science from the University of Lagos and an MSc in Enterprise Systems from the University of Brighton and is certified in Systems Thinking. He has written a book to address corruption issues in Nigeria with some great reviews on Amazon: "The Survival Mindset: A Systematic Approach to Combating Corruption in Nigeria". Arnold is a Project Management Professional, an avid reader and is happily married with 3 kids.

Cassandra Francisca Dewan is currently pursuing her PhD part time in Metallurgical Cassandraand Materials engineering at the Universidade Federal do Rio de Janeiro. Her research area is Carbon Capture and Utilization, and she also has a keen interest in Hydrogen Energy. In addition, Cassandra holds a BSc. in Chemical and Process Engineering and MSc. in Petroleum Engineering from the University of the West Indies. She has over eight years of professional experience and has worked both upstream and downstream with individuals across all disciplines and departments globally.

Cassandra became an SPE member in 2013 while pursuing her masters and started volunteering for the SPETT YP committee. She then became the SPETT YP chair in 2016 and the SPETT Director of New Opportunities in 2017. She held these two positions until she moved to Brazil in 2019. Cassandra is currently the SPE LACR YP Liaison, a member of SPE YMEC and the SPE Student Paper Contest and PetroBowl 2022 Lead.

Cassandra is primarily involved in student activities regionally and internationally having volunteered year after year for the Student Paper Contest, PetroBowl Competition, Virtual Career Pathways Fair, Student Chapter Award Judge and even Section Award Judge. She played a key role in the formation of the SPE Guyana Section as well as, in the Virtual PetroBowl 2020 regional and international competitions acting as Planning Committee Lead. In 2020 she was awarded the SPE Regional Young Member Outstanding Service Award and in 2021 she was awarded the SPEI Giovanni Paccaloni Young Professional Service Award. Additionally, for the past three years, Cassandra has been a volunteer teacher at Cidadão Pró-Mundo where she teaches English to teenagers and adults from needy communities in Rio de Janeiro, Brazil.

Francisca Dewan
Process Engineer/ PHD Candidate
Universidade Federal do Rio do Janeirio

Eramus Nnanna
Senior Production Technologist
SPDC

Erasmus Nnanna is a Well Performance expert and a Shell Group Certified Production Technology Technical Authority. A thorough-bred Petroleum Engineer with 20 years of local and international experience in petroleum engineering mainly in Production Technology, holds a Bachelor's and Master's Degrees in Petroleum Engineering. Erasmus has been working for Shell in the last 15 years where he has delivered remarkable business results in well delivery, well, reservoir & facilities management (WRFM), subsurface studies, and project delivery. Within 3 years, Erasmus led the transformation of one of SPDC's onshore assets by delivering outstanding production performance results leading to multiple global recognitions and awards.

Erasmus is a Subject Matter Specialist in advanced completions having designed and executed well completions involving interval control devices (ICDs) and intelligent completions (with ICVs)-smart wells. One of his career highlights includes the successful delivery of the first intelligent well in Shell Nigeria. Before joining Shell as a Production Technologist, he worked as a production engineer, coiled tubing field engineer, petroleum engineer, and reservoir engineer across the service, consultancy, and E&P sectors of Nigeria's oil and gas industry. Erasmus has a passion for coaching Petroleum Engineering fundamentals and mentoring Young Professionals. He volunteers for the Society of Petroleum Engineers (SPE) where he has won several technical and leadership awards and has authored/co-authored 16 SPE papers.

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CAREER FAIR

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Engr. Kachi (MNSE, AMNIM) is a First Class Engineering Graduate with 8+ years of experience in the energy industry (oil, gas and power), media and public sector in frontline asset management, business improvement and stakeholder management roles. He currently works with Shell where he leverages critical thinking and digitalization to develop and deploy strategies to deliver top-quartile availability. He is passionate about access to energy, business development and leadership (and was a Shell delegate to the largest youth leaders' summit in 2018). He is also an emerging thought leader on the energy transition who has helped shape local and global energy strategies. Currently he leads the Nigeria chapter of the Future Energy Lions network (a volunteer grassroots energy transition network at Shell with almost 4,000 members worldwide). He is married (to a medical doctor), and enjoys writing, swimming and coaching others.

Umunna Odinakachi
Reliability Engineer/Energy Prefessional, Shell

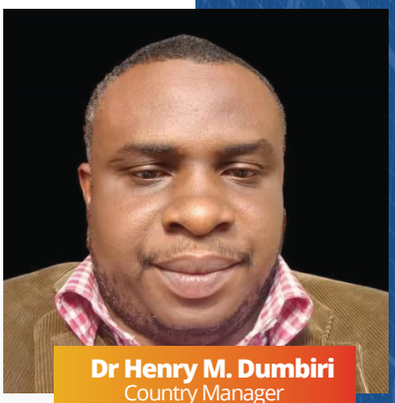
Galbina Igbedion is a HR professional with a wealth of experience in HR strategy that cuts across Engineering Construction and the Oil and Gas industry. She supports top management by translating the vision of the business into HR initiatives that improve performance, profitability, growth and employee engagement. She holds a Bachelor's degree in Linguistics and a Diploma in Human Resources. She is a licenced HR practitioner and an associate member of the Chartered Institute of Personnel Management. She is also a certified Senior professional in HR from the Human Resource Certification Institute, USA.

Galbina Igbedion
HR Manager
Topline Limited

Onyekachi Igwe is a man of many parts having started his career as a Project Planner shortly after graduation from the University. His strong people skills and interpersonal relationship made him delve into Sales and Marketing because he had the nous for meeting people and talking to them. Through this he was able to help some startups to be self-sufficient. His knack for planning and organizing made him to take up roles in administration and he has been able to do this for one of the top churches in Nigeria.

Over the last years, Onyekachi has developed passion for qualitative education. His work supervising examinations for the British Council has made him one of the fan's favorite as customers always love to do business with the British Council. He has a short stint at one of the fastest growing Quick Service Restaurants where he was the privileged to open two new branches of a New Brand that was launched at that time.

He currently works as the Programs Manager of Study Globally, an organisation that is firmly built at helping people fulfil their dreams of studying abroad at absolutely no charge. Through his work at Study Globally, many international students have gained admission and are in their choice schools. Igwe Onyekachi graduated as one of the best students of Project Management Technology from the prestigious Federal University of Technology Owerri. His classmates gave him an Award of Excellence for consistently performing well academically and in character from the first year to the final year in the department. He is a strong advocate of Youth Development and has helped many young people to dream big and fulfil their dreams.



Dr Henry M. Dumbiri
Country Manager
StudyGlobally Nigeria Limited

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NEW ENERGIES BREAKOUT SESSIONS

SOCIETY OF PETROLEUM ENGINEERS
Section 103 Port Harcourt

HYBRID EVENT

2022
YOUNG PROFESSIONAL
SYMPOSIUM

THEME:
POWERING THE JOURNEY TO NEW ENERGIES:
A Premise for an Effective Transition Readiness

New Energies Breakout Session

Date
23rd | April | 2022

Symposium Registration Fee
2,000 Naira

Venue
Casoni International Hotels & Suites Ltd.
No. 6 Presbyterian Close,
Off Stadium Road,
Port Harcourt.

SPEAKERS

Dr. Henry Dumbiri,
CEO, Primag Associates Limited
Topic: Solar Energy

Jenifer Avellaneda Diaz,
PRA Nuclear Engineer,
Westinghouse Electric
Topic: Nuclear Energy and Storage

Dr. Chijioke MAMA,
Managing Director, Meiracopp Nigeria Limited
Topic: Hydrogen

Cristina Nenu,
Project Manager, CO2 Capture & Utilization, Shell
Topic: Carbon, Capture, Utilization and Storage (CCUS)

Registration Link
https://tinyurl.com/spe-ph-yp-symposium

DR. AMIEIBIBAMA JOSEPH
SECTION CHAIRMAN

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PROGRAMS CHAIRMAN

DORCAS OTIS KURO
YP CHAIRPERSON

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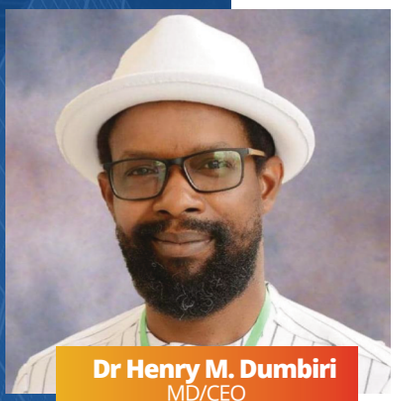

Dr Henry M. Dumbiri
MD/CEO
Primag Associates Limited

Dr Henry M. Dumbiri is the MD/CEO of Primag Associates Limited, a manufacturer of the market leading Solar PV Module. Dr Dumbiri holds a Bsc Degree in Electrical Electronics Engineering from Napier University, Edinburgh, Scotland, a Masters Degree in Materials and Production Technology from the same University and a PhD in Renewables Energy from University of Dundee, Scotland. Dr Dumbiri has other interests including politics and Motorsport.

Jenifer Avellaneda
PRA Nuclear Engineer
Westinghouse Electric

Jenifer Avellaneda obtained her degree in 2018 as a B.S. Sustainable Development Engineer from Tecnologico de Monterrey, Campus Santa Fe. In that same year, Jenifer participated as a trainee at the International Atomic Energy Agency in Vienna, Austria, in the area of Technical Cooperation Programme for Latin America and Caribbean countries.

She worked together with Project Management Officers and diplomats in the development of national and international projects.

In 2020, Jenifer moved back to the U.S.A where she currently works as a Nuclear Engineer in the Risk Analysis Department at Westinghouse Electric Company, at Comanche Peak Nuclear Power Plant in Texas where she's involved in performing engineering evaluations related to risk for nuclear power plants (PRA), modeling of internal and external events, including fire and safe shutdown modes of operation, utilizing models to provide nuclear power plant operators the necessary insight to make operational, financial and regulatory decisions and interfacing with international customers, vendors and internal groups on engineering and commercial levels.

Cristina Nenu
Project Manager, CO2 Carbon Capture, Shell

Cristina Nenu has over 10 years 10 years of international experience in a catalyst manufacturing start-up company and other 12 years within Shell in Europe and USA, Cristina is currently the technology portfolio manager for CO2 Capture & Utilization. Cristina had roles ranging from R&D, manufacturing & customer support, project management and new business development. She contributed to development and commercialization of market leading catalysts products currently running in world refineries while implementing new manufacturing protocols in our own assets. Mother of a 16 years old daughter, she likes to walk in the mountains, develop herself, practice yoga, read and travel

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Dr. Chijioke MAMA
Managing Director,
Meiracopp Nigeria Limited

Dr. Chijioke MAMA is a Transaction Advisor and the Managing Director of Meiracopp Nigeria Limited (MNL). He is also the Special Adviser on Strategy and Policy to the Chairman of the Governing Board at the Nigerian Midstream and Downstream Petroleum Regulatory Authority (NMDPRA). He has been working in the Oil, Gas and Power sectors for over a decade and has led & participated in diverse Advisory and Project Implementation tasks in Nigeria, Africa, Europe and North America. In addition to several engagements in Renewable Energy development, his most recent engagements have been in Natural Gas Commercialization Advisory, and Financial Advisory for upstream and midstream project development, including raising Debt and Equity Capital.

Most recently, he has developed Gas Handling & Commercialization Strategy for several fields in Nigeria. Dr. Mama has built detailed commercial & financial business cases for Ammonia/Urea plants, Natural Gas Liquids [NGLs], and Compressed Natural Gas (CNG) technologies in Nigeria, some of which have CAPEX amounts reaching USD 1.3 billion. He has facilitated & arranged project development capital for upstream and midstream projects, running into hundreds of millions of dollars. He has been the gas Commercial Advisor for two major gas-turbines OEM brands in Nigeria & is currently (2021) retained as Natural Gas Commercial advisor for four Nigerian companies, in addition to Financial Advisory roles for Nigerian E & P companies. His analytical works and opinion are frequently syndicated on local & global business publications, having worked on projects in the Oil, Gas, Power & Industrial sectors in Nigeria, United Kingdom, The US and several other countries, including Ivory Coast and Kenya.

He has been a speaker at several global energy fora, including the EU-Africa Renewable Energy Cooperation Program (RECP); The Energy Access Panel at the 2017 Commonwealth Africa Summit in London and the maiden African Marginal Oil Field Development Conference in London, where he discussed policy frameworks for supporting small oil field development in Africa's hydrocarbon economies. He has been a discussant at the German-Nigerian Business Forum, where he discussed strategies for kick starting a Hydrogen Economy in Nigeria. Dr. Mama has an MBA (Management) from the University of Lagos, Nigeria and a Doctorate in Business Administration from the University of Port Harcourt. He is currently enrolled (2022) in a Finance Diploma program at the University of Lagos. He has also been a participant in the Sloan Foundation's capacity building program on Power Systems & Technology at the Colorado School of Mines in the US. His core areas of expertise include; Energy, Finance, Natural Resources and Infrastructure Development. He also has expertise in future energy adoption and utilization.

THANK YOU FOR YOUR CONTRIBUTIONS

Dr. Joseph Amieibibma
Section Chair

Daniel Abia
Programs Chair

Ngozi Okonkwo
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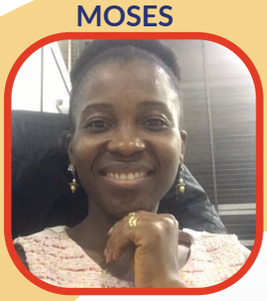

DORCAS OTIS KURO

WILSON EKPOTU

DR. JUDE OSIMOBI

KRISTINOBA OLOTU
Advisor

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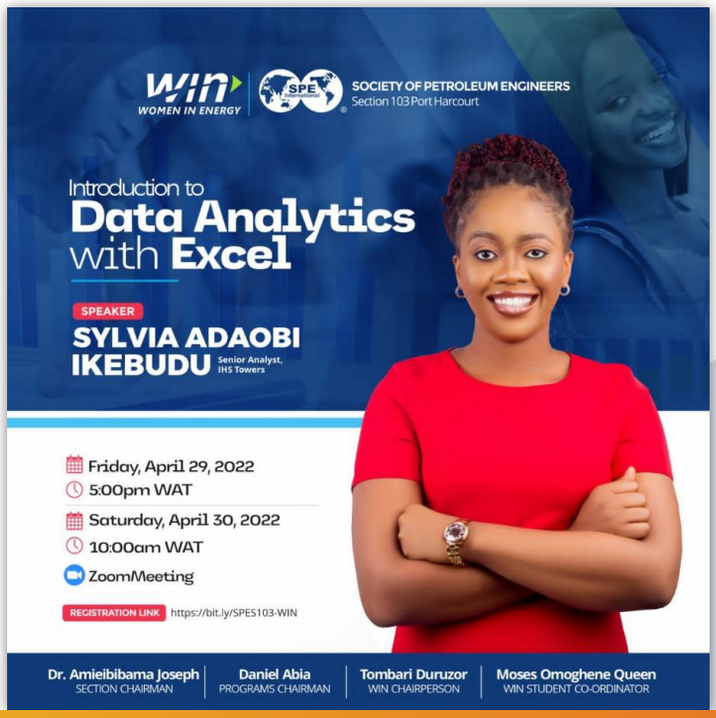
UPCOMING EVENTS



SPE PH YP CHARITY/CSR PROJECTS

JOIN US AS WE ARE SET TO RAISE 3.5 MILLION NAIRA TO SUPPORT FACELIFT OF CLASSROOMS, ORPHANAGE & HOME FOR THE ELDERLY

The Young Professionals Charity/CSR Committee of SPE103 is set to raise 3.5 million Naira to support Orphans, Students and the Elderly Persons.

With a generous donation we can help renovate classrooms, provide Desks, Whiteboards and other Teaching Aids for students and sponsor New Beds for orphans and good drinking water for the elderly.

Kindly send your donations to: **GTBank 0037662517 Society of Petroleum Engineers.**

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