



SOCIETY OF PETROLEUM ENGINEERS  
SECTION 103 PORT HARCOURT

# 2023 YOUNG PROFESSIONAL SYMPOSIUM

T H E M E :

## SECURE AND SUSTAINABLE ENERGY:

Challenges and Opportunities for the Energy Professional

**Friday, 14th April 2023**

(12pm – 3pm) – Virtual

**Saturday, 15th April 2023**

(8am – 4pm) – Hybrid

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

Symposium Registration Fee: **N3,000**



Register for symposium  
<https://tinyurl.com/spephcyp>

### KEYNOTE SPEAKERS



**Med Kamal**  
2023 SPE President



**Obi Imemba**  
Executive Director, TotalEnergies Nigeria

### PANELISTS



**Lester Clark**  
Group COO, OilServ Limited



**Johnbosco Uche**  
Energy Transition Business Opportunity Manager, Shell



**Ifeoma Malo**  
CEO, Clean Tech Hub Nigeria/ Fmr. Technical Advisor to the Minister of Power



**Obafele Iwebo**  
Projects Director, Sub-Saharan Africa, Schneider Electric



**NJ Ayuk**  
Chairman, African Energy Chamber/ CEO, Centurion Law Group

### BREAKOUT SESSION SPEAKERS



**Afolabi Akinrogunde**  
Investment Manager, All-On  
**Topic: Green Mini-Grids: Accelerating Electricity Access through Clean Energy mini-grid Solutions**



**Michael Ogbuanu**  
Lead, Site Management Systems, NLNG  
**Topic: Sustainable Energy Supply: The role of LNG in the Energy Transition**



**Franklin Omusi**  
CEO/Managing Director, Genesis Ecopower Systems Limited  
**Topic: Energy Storage: The Importance of Energy Storage Systems in the Decarbonization Roadmap**



**Yetunde Fadeyi**  
Climate Change Consultant, International Renewable Energy Agency (IRENA)  
**Topic: GHG Emission Reduction and Climate Change**

### SPECIAL GUEST OF HONOUR



**Abdulrahman Mijinyawa**  
General Manager, Development & Subsurface, Shell Nigeria



**Debo Adebajo**  
Vice President, Technical, Heirs Oil & Gas



**Oghogho Effiom**  
Africa Regional Director, SPE



**Felix Obike**  
Nigeria Council Chairman, SPE

### HOST



**Daniel Abia**  
Chairman, SPE Port Harcourt Section

### SHORT COURSE FACILITATORS



**ThankGod Egbe Jr**  
Machine Learning Engineer, CypherCrescent Limited  
**Course title: Machine Learning in the Energy Industry**



**Henry Ren**  
Senior Consultant at REN DATASIM, LLC  
**Course title: Blockchain Technology and Digital Twin Distributed Data Fabric for Oil & Gas Applications**



**Gerald Ihedilonye**  
Co-Founder, ExcelforEnergy  
**Course title: Applications of Microsoft Excel in the Energy Industry**



**Chris Egwuatu**  
Project QHSE Engineering and Management, NLNG  
**Course title: Business Analytics & Project Management in the Energy Industry**

### Sponsors:



**DANIEL ABIA**  
SECTION CHAIRMAN

**NGOZI OKONKWO**  
PROGRAMS CHAIRPERSON

**OFURE UGEGE**  
YP CHAIRPERSON

**EMMANUELLA AGBO**  
YP SYMPOSIUM CHAIRPERSON

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# WELCOME ADDRESS



BISMUTH  
ENGINEERING  
Chemical & Process Industries  
Contract Chemicals Engineering Contractor  
ISO 9001:2008

SCOPEX NIGERIA LIMITED  
Engineering Consulting & Project Services



BONITAS  
GROUP



JSI  
INTERNATIONAL COMPANY LIMITED

SeaQuest

# PROGRAM OF EVENT

DAY 1	
12:00	Welcome/ Introduction
12:10	Opening Remarks
12:15	<p><b>Short Courses:</b></p> <ul style="list-style-type: none"> <li>1) Fundamentals of Machine Learning in the Energy Industry</li> <li>2) Applications of Microsoft Excel in the Energy Industry</li> <li>3) Blockchain in Energy and Sustainability</li> <li>4) Business Analytics in Project Management</li> </ul>
14:15	Closing Remarks
DAY 2	
<b>Morning (8:00am -12:40pm)</b>	
08:00	<p><b>Short Courses:</b></p> <ul style="list-style-type: none"> <li>1) Fundamentals of Machine Learning in the Energy Industry</li> <li>2) Applications of Microsoft Excel in the Energy Industry</li> <li>3) Blockchain in Energy and Sustainability</li> <li>4) Business Analytics in Project Management</li> </ul>
09:00	Breakfast
09:30	<p><b>Opening Session:</b></p> <ul style="list-style-type: none"> <li>National Anthem</li> </ul>
09:35	Welcome Address by Section Chair
09:40	Recognition of Invited Dignitaries
09:45	Opening Speech
09:50	Goodwill Message
09:55	Music Interlude
9:57	<p><b>Industry Address 1:</b> Powering the Future of Energy Today</p>
10:07	<p><b>Industry Address 2:</b> Achieving Secure and Sustainable Energy in the Energy Industry</p>
10:17	Music Interlude
10:20	<p><b>Keynote Presentation 1:</b> Key Drivers for Achieving Secure and Sustainable Energy and the Role of Young Professionals</p>
10:35	<p><b>Keynote Presentation 2:</b> Energy Insecurity in Sub-Saharan Africa: The Industry's Approach to Tackle it</p>
10:50	Music Interlude
10:55	Sponsors Remark

# PROGRAM OF EVENT

	<b>Panel Session:</b>
11:00	Secure and Sustainable Energy: Challenges and Opportunities for the Energy Professional
12:00	Music Interlude
12:05	Sponsors Remark
12:15	Ice Breaker (Pop Quiz)
12:20	The Energy Challenge: Showcasing Initiatives for Secure and Sustainable Energy
13:00	Recess for Lunch
<b>Afternoon (1:30 pm - 5:00 pm)</b>	
13:45	Sponsors Remark
13:50	Debate Session
14:20	Music Interlude
14:25	Sponsors Remark
14:25	Music Interlude
14:30	<b>Breakout Session:</b> <ol style="list-style-type: none"> <li>1. LNG: The role of LNG in the Energy Transition</li> <li>2. Power Grid: Accelerating electricity access through clean energy mini-grid solutions</li> <li>3. Energy Storage: The Importance of Energy Storage Systems in Decarbonization Roadmap</li> </ol> <p>Climate Action</p>
15:30	Music Interlude
15:35	<b>Job/Career Fair:</b> <ol style="list-style-type: none"> <li>1. Career Talk</li> <li>2. Submitting Successful CVs</li> <li>3. Professional Tools Optimization</li> </ol> <p>Job Fair</p>
17:00	<b>Wrap Up:</b> <p>Energy Challenge Winners Gift Presentation</p> <p>Gift Voucher Presentation for Debate Participants &amp; Raffle Draw</p> <p>Winners</p> <p>Group Photograph</p>
17:15	<p>Closing Session</p> <p>Closing Remarks by YP Chairperson</p>





# SYNOPSIS OF EVENT



**E**nergy is a critical enabler of economic prosperity, sustainable development, and societal health. In the past decade, the energy industry has made some strides to build more sustainable energy systems geared towards environmentally friendly society.

However, recent global and geopolitical events have highlighted the need to ensure uninterrupted, affordable, and accessible energy for human activities. Therefore, it has become pertinent and necessary to find technical and smarter ways to reduce our carbon footprint while, at the same time, expanding and diversifying our energy sources.

Striking the right balance between energy security and sustainability is thus critical for the industry. This we hope to digest as we converge.

This symposium program will feature discussions on the ways forward by addressing the current challenges and opportunities in the industry and the need to develop solutions that enable secure and sustainable energy.



# EVENT SPONSORS RECOGNITION



## SHELL PETROLEUM DEVELOPMENT COMPANY (SPDC)

Shell Petroleum Development Company (SPDC) is a subsidiary of Royal Dutch Shell plc, a British-Dutch multinational oil and gas company. SPDC is the oldest and largest oil and gas company in Nigeria, and it has been operating in Nigeria since 1937. The company is involved in the exploration, production, and distribution of oil and gas in Nigeria.

SPDC operates in the Niger Delta region of Nigeria, which is one of the largest oil and gas producing regions in the world. The company's operations in Nigeria include oil and gas exploration, production, and distribution. SPDC also operates oil and gas pipelines, processing plants, and offshore production platforms.

The company is committed to sustainable development and has implemented a number of initiatives to minimize its impact on the environment and local communities. It has also established a number of social investment programs to improve the lives of people living in the Niger Delta region.

SPDC has faced several challenges in Nigeria, including security threats, oil theft, and vandalism of its facilities. The company has worked closely with the Nigerian government and local communities to address these challenges and promote peace and stability in the region.

As of 2021, SPDC has approximately 5,000 employees in Nigeria, and it is one of the largest employers in the country. The company is also committed to promoting local content development and has implemented programs to develop the skills of Nigerian workers and support the growth of local businesses.



## SCOPEX NIGERIA LIMITED

Scopex Nigeria limited is an outfit incorporated exclusively for rendering first class and multifaceted Environmental consultancy services to industries, oil/gas industries, banks, individuals, private firms, communities, agencies, government, and the general public.

### OUR SERVICES

#### 1. Environmental services

- Environmental Impact Assessment (EIA)
- Environmental Evaluation Reports (EER)
- Environmental Compliance Monitoring (ECM)
- Environmental Audit Report (EAR)
- Environmental Management Review
- Environmental Baseline Studies (EBS)

Other Environmental Services we provide include:

- Seabed Survey
- Sludge treatment, evacuation, and disposal
- Site restoration / remediation
- Noise abatement strategies
- Risks Assessment and Management
- Waste Management
- Biological Sludge Treatment
- Post Impact Assessment (PIA)

#### 2. Testing services

- Soil Analysis
- Water
- Biotoxicity

#### 3 Air Quality Monitoring



## BISMUTH ENGINEERING LIMITED

Bismuth Engineering Limited is an energy service company with expertise in services including production chemistry solutions, cementing and line hanger systems, well control monitoring & management- wellbore cleanout & filtration-surface production & well test services, fabrication, rehabilitation and upgrade of tanks, general engineering equipment procurement, installation & construction (EPIC)

We focus on providing your business with services related to manufacturing and procurement of production and specialty chemicals, drilling and completion fluids, hardware and software solutions, offshore logistics and pipeline process services, leasing and sales of industrial equipment that enables your business to achieve core objectives and maximize returns on your investments.

**Our Values** As a company, we believe in being the best. To achieve that, we have the following core values and policies: All our processes are totally transparent. Integrity Continual improvement of our services to ensure top quality. Innovation Impact Focus on customer satisfaction is paramount.

### Our services

**Industrial Services:** Production Chemistry, Cementing and Line Hanger Systems, Well Control Monitoring & Management WellBore Cleanout & Filtration Surface Production & Well Test Services, Tank Cleaning and Calibration, Offshore Logistics and Pipeline Process Services, Engineering Procurement Installation & Construction, and ICT Solutions.

**Industrial Chemicals:** Glycols and Chlorides, Hydroxides and Oils, Acids and Alcohols, Aromatics and Ketones, Lubricants and Greases, Carbonates and Amines, Emulsifiers and Cleaning Products.

**Industrial Equipment:** Surface and Overhead Tanks, Pumps and Compressors, Pipelines and Welding Works, Trucks and Forklifts, Mobile and Crawler Cranes, Boats and Barges, Excavators and Swamp Buggies.

### Contact:

**Address:** P.O. Box 10402 Nigeria Office (Port Harcourt): Suite 11, Emmanuel Plaza, along G. U. Ake Road, Eliozu, Port Harcourt.

**Website:** [www.bismuthengineering.com](http://www.bismuthengineering.com)



**JEVANT SPENCER**  
INTERNATIONAL COMPANY LIMITED

## JEVANT SPENCER INTERNATIONAL COMPANY LIMITED

JEVANT SPENCER INTERNATIONAL CO. LTD, is an Engineering Service firm that is primarily concerned with Procurement of Engineering Tools (Machines, Energy Plant facilities, Waste Management) welding and fabrication and repairs, research and chemical laboratory services involving purchase, installation, and technical support rendering. Our engineering capabilities comprise tested processes and best practices in services delivery. Jevant Spencer International Co. Ltd was incorporated under the laws of the Federal Republic of Nigeria in 1994, but business started in 1997, we also have representative offices registered in England and Wales since 2006. We operate from our corporate Head office in Port-Harcourt. Jevant Spencer International Co. Ltd, carries out its Engineering services in connection with Seasoned engineers and technical experts around the globe, providing collaboration tool for solutions to engineering project Our Original Equipment Manufacturers (OEM) are leaders in their various fields of Specialization known worldwide in providing welding Technologies, Seal Production and related technical support services. Jevant Spencer in collaboration with our partners, we have been wellpositioned in technology that develops and implements innovative methods to monitor and control energy for welding and sealing technologies for the Chemical, Petrochemical, Power& Energyand Allied Industries.

### Our services include

Engineering Services, Maintenance and Repair Works, Fabrication and Valve Testing , Instrumentation, Control and Automation, Gas Metering and Calibration Systems, Welding Machines, Welding Consumables, Seal production and Manufacturing, Electro-Polishing, Electro-Planting and Surface Treatment and, Metal Recovery, O-Ring and Gasket Production 11. Welding and Fabrication Training and Technical Consultancy

### Contact:

**Address:** No.1 Gas Turbine Road, Off Eneka Link Road, Eliozu, Port Harcourt, Rivers State, Nigeria.

**Website:** [info@jevantspencer.com](mailto:info@jevantspencer.com)

## VISION STATEMENT

Our vision at SeaQuest EPS is to provide world-class services to exploration and production companies in Nigeria and Sub-Saharan Africa.

## MISSION STATEMENT

To become the primary, leading and profitable exploration and production service provider in Nigeria and sub-Africa through strategic partnership and delivery of innovative & quality service that will maximize oil & gas production, thus adding value to our client.

### WHO WE ARE



- **E & P Service Provider**
- E & P Service Company – EPF, CT, Multiphase Pumps, Water Cut Meters, oilfield chemical and specialty fluid management company
- Supply of production optimization products & solutions to a wide base of international oil companies (IOCs), MFOs and NOCs

### Our Management

- We have a management team which comprises of seasoned professionals with both local and international experience.
- With excellent service delivery deeply rooted in the very core of our entire business offerings, we are vested in improved technology and service development.

### Our Commitments

- Partner with leading global technical companies / OEMs
- Co-Create value with client
- Employ & Train Technical professionals
- Engage Industry SMEs for focused solutions

### ISO Certification

- ISO 9001:2015 certification shows our sole commitment to maintaining international standards through our operations.





# KEYNOTE SPEAKER

Med Kamal SPE 2023 President | Emeritus Fellow at Chevron  
Medhat (Med) M. Kamal is a Chevron Fellow Emeritus and an Honorary Member of SPE. He had previously worked for Cairo University, Amoco Production Company, Flopetrol Schlumberger, and ARCO Exploration and Production Company. Kamal has over 45 years of industry experience in well testing, reservoir description, and production and reservoir engineering. He is the lead author and editor of SPE Monograph 23 "Transient Well Testing", and has published more than 35 technical papers in various SPE journals. He holds B.Sc. degree (with Honors) from Cairo University in Petroleum Engineering and MS and PhD degrees from Stanford University in Petroleum Engineering with a minor in Computer Science. He served on the boards of directors of Mid-continent, Gulf Coast, Dallas and Golden gate sections of SPE and chaired the Dallas and Golden Gate Sections. He also served on the SPE International Board of Directors (2007-2009) as the Regional Director of Western North America. Kamal is a distinguished lecturer for SPE (1997-1998 and 2018-2019) where he presented his lectures more than 80 times in 30 countries. He served as member and chairman of SPE Annual Meeting Well Testing, Text Book and Monograph Committees and as a technical editor, review chairman and executive editor of SPE Journal of Petroleum Technology (JPT) and Reservoir Evaluation and Engineering Journal (SPEREE). Kamal chaired the first SPE conference on R&D (San Antonio 2007) and the Western Regional Meeting (2019). He has won several regional and international awards including the Cedric K. Ferguson Medal, the Formation Evaluation Award, SPE Distinguished Service Award, SPE North and East Texas Regional Service Award and the Texas Petroleum Engineer of the Year Award.

**Med Kamal**

**SPE 2023 President**





# KEYNOTE SPEAKER

Obi is a purpose-driven and transformational leader, passionate about adding value and making sustainable contributions within his sphere of influence. He draws on over 20 years of experience in the oil gas industry, and has held several leadership roles in the Exploration and Production sector. He started his career as a Technical Safety engineer when he joined Total in 2002. Since then, he has worked in various capacities across different countries where Total operates. Mr. Imemba has worked with the Total group for over 16 years and has served in several leadership positions hence, he brings with him a wealth of experience. Prior to joining Total Uganda Ltd, he worked as the Field Operations Manager in Total E&P Netherlands where he successfully developed and implemented a new Operating model for the affiliate. During his career with Total, Obi has also held roles as Offshore Installations Manager, Production Manager; and several other roles in facilities, projects and operations management in different countries including France, South Korea and Nigeria. He holds a master's degree in Asset Integrity Management from the Robert Gordon University Aberdeen, U.K. and a bachelor's degree in Industrial and Production Engineering from the Federal University of Technology Owerri, Nigeria. Recently, Obi was appointed as the Managing Director of Total Uganda Limited. In addition to his career in Total, Obi is the founder and leader of Hillcity Foundation, an NGO focused on adding value to young lives through mentoring, educational support and economic empowerment. He is married with three lovely children.

**Obi Imemba**

**Executive Director, TotalEnergies Nigeria**



# SPECIAL GUEST OF HONOUR



**Abdulrahman Mijinyawa**  
General Manager, Development  
and Subsurface, Shell Nigeria



**Debo Adebajo**  
Vice President, Technical, Heirs  
Holding



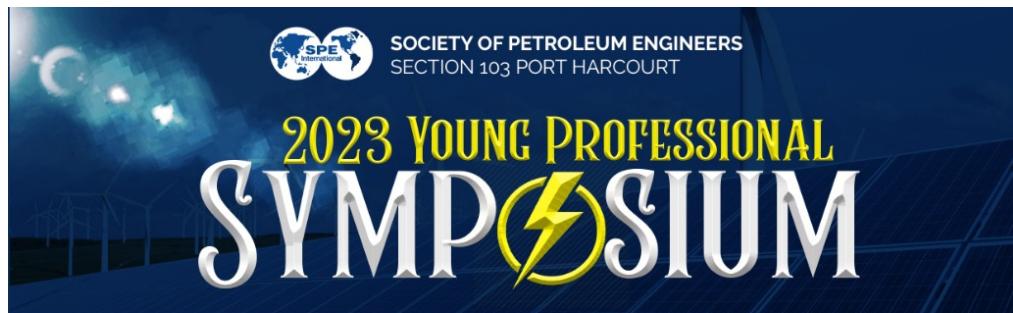
**Oghogho Effiom**  
SPE, Africa Regional Director



**Felix Chijioke Obike**  
Nigerian Council Chairman SPE



# PANEL SESSION



## PANELISTS



T H E M E :

## SECURE AND SUSTAINABLE ENERGY: Challenges and Opportunities for the Energy Professional

**Saturday 15th April 2023**  
(8am – 4pm) – Hybrid

Symposium Registration Fee: ₦3,000

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OFURE UGEGE  
YP CHAIRPERSON

EMMANUELLA AGBO  
YP SYMPOSIUM CHAIRPERSON



## JOHNBOSCO UCHE

**Energy Transition Business Opportunity Manager, Shell Companies in Nigeria**



Johnbosco Uche (JB) is the Energy Transition Business Opportunity Manager for Shell Companies in Nigeria. He also doubles as Front-End Development Manager and Project Leader in Shell Petroleum Development Company of Nigeria (SPDC). JB is a Geological Science graduate of Nnamdi Azikiwe University Awka. He obtained his Master's in Business Administration (MBA) from Edinburgh Business School, Heriot-Watt University, Scotland. JB has acquired over 22 years' experience in the energy industry working for Shell, CONOIL Producing, and Halliburton across technical and business roles. Since joining Shell in 2005, he has worked as Exploration Geoscientist & Team Lead in SPDC Nigeria, Shell Netherlands, Shell United-Kingdom, and most recently as Shell Nigeria Exploration and Production Company (SNEPCo) Exploration Manager between 2018 and 2021. Johnbosco is a former Vice president and Fellow of Nigerian Association of Petroleum Explorationists (NAPE). He is registered with Council of Mining Engineers and Geoscientists (COMEG) and also a member of NMGS, AAPG, SEG, EAGE, and PESGB. Due to his strong passion for organic talent development of young Nigerian Geoscientists, he initiated the novel annual NAPE Mentoring Circles for emerging leaders in the industry. Johnbosco is married with children.

## IFEOMA MALO

**CEO, Clean Tech Nigeria**



Ifeoma Malo is an organizational management expert with over 23 years of experience, building and directing organizational policy and strategy in energy and large-scale utility markets, public health, biotechnology, leadership, change management and infrastructure finance. She is the Co-Founder/ CEO, of Clean Technology Hub Nigeria. Clean Technology Hub Nigeria is a pioneering hybrid hub for research, Development, demonstration, and incubation of clean and green ideas and technologies in Africa, and their validation for commercial-stage development. The Hub was founded in 2016 and is located in Abuja, with virtual hubs spread across the country. Ifeoma Malo is a Caux Scholar, African Leadership PIA Fellow, Desmond Tutu Fellow, Crans Montana New Leader Fellow, Acumen West Africa Fellow and also the Global Leadership Academy-We Africa Network. She is a Commonwealth Leaders Scholar-CSC Leaders. She is also a member of boards that include: GreenPeace International, Access to Energy Institute (AE21), Extractive 360 and Norrenberger Financial Services.

## NJ AYUK

**Chairman African Energy Chamber/ CEO of Centurion Law Group**

NJ Ayuk is the Executive Chairman of the African Energy Chamber, CEO of pan-African corporate law conglomerate Centurion Law Group, and the author of Big Barrels as well as Amazon and Wall Street Journal's bestselling Billions at Play: The Future of African Energy and Doing Deals. His experience includes advising major companies and governments on energy issues and investment strategies. NJ graduated from the University of Maryland College Park and earned a Juris Doctor from William Mitchell College of Law and an MBA from the New York Institute of Technology.

## ENGR. CHUKA EZE

### Managing Director, Frazimex Engineering Limited

Engr. Chuka Eze holds a Bachelor's Degree in Electrical Engineering (B.Eng.), from the University of Nigeria, Nsukka. He has over 27 years hands-on post graduate experience (locally and Internationally) spanning across Project Management,

Procurement, Construction, Engineering, Business Development, Operations & Maintenance, and Executive Management..



Chuka rose through the ranks holding strategic positions for an Engineering and Indigenous EPC company for 14 years as at April 2019 with significant achievements; Engineering Manager, Projects & Engineering Manager, Engineering Manager & Acting Marketing Manager, Marketing & Sales Manager, and Business Manager, Director Engineering, General Manager-Asset Management (O & M) at OML 42 and Managing Director.

He served as Executive Management for 14 years with increased responsibilities and member Board of Directors for 7years in his immediate previous employment before joining the Oilserv Group in April 2019 holding executive position as the General Manager: Frazimex Engineering Limited.

In May 2021, he became the Managing Director of Frazimex Engineering Limited given his remarkable performance, valuable contributions and excellent leadership.

He leads multiple engineering team of experienced personnel to deliver the Detail Engineering Design (DED) of the biggest/longest NNPC Natural Gas Pipeline and Facilities in Nigeria: The Ajaokuta-Kaduna-Kano (AKK Project – Segment 1: 40" x 303.4km & 24" x 15km spur line and Gas facilities-2nos TGS, IPS and 12nos Block Valve stations).

He has great passion for Nigerian Human Capacity Development especially developing young Nigerian engineers and strong zeal for doing things right. An advocate for qualified and performing gender female equality.

He is also a Corporate member of the Nigerian Society of Engineers (NSE), COREN, & NATE Fellow.

In 2022, he won the Nigerian National Award recipient for the "Best Deep-Water Technology Category" by Nigerian National Legacy Awards. He is also the Winner of the African Prize for Leadership Excellence 2022 as the OIL & GAS PERSONALITY LEADERSHIP PRIZE WINNER OF THE YEAR 2022.

He enjoys playing table tennis and football. He is married with Children and he's a devoted Christian. His word: DO YOUR BEST AND DO THE RIGHT THNGS AT ALL TIMES.

## DAYO SOSANYA

### Sales Leader, Scheinder Electric Process Automation, Sub-Saharan Africa

Dapo Sosanya is a certified automation professional with over 19 years' cumulative experience as an electronic technician, field service engineer, project engineer, project manager, technical sales engineer, Strategic account management (sub-Saharan Africa) and Technology consultant with a deep technical, sales and business development competency.

He has designed and deployed automation, IIOT and data analytics solutions for industries such as the oil and gas, food and beverages, FMCG, mining and cement and pharmaceuticals in central and sub-Saharan Africa. He is passionate about the use of automation technologies for economically viable and sustainable manufacturing.

He is a senior member of the International Society for Automation and the immediate past president of the Nigerian section. He is also a member of the Institute for Electrical Electronic Engineer (IEEE).



## DR. JUDE OSIMOBI

### Geophysicist , Shell

Dr. Jude Osimobi (PMP) is an Earth and Environmental Scientist with over a decade of industry experience. He is currently a Geophysicist at Shell. Jude holds a BSc. in Physics from Delta State University Abraka, an MSc in Petroleum Geophysics from Imperial College London, a second MSc in Environmental/Radiation Physics and a PhD in Environmental/Radiation Physics both from University of Port Harcourt.

Jude loves to give back to the society through coaching and mentoring and he's currently the Technical Information Chair for SPE Port Section 103. He is also a Shell's visiting lecturer at the Center of Excellence in Geosciences and Petroleum Engineering, University of Benin. Dr. Osimobi is an astute researcher with several technical publications to his name and winner of the Best Technical Paper Award at NAPE Conference 2022.

Jude Osimobi is passionate about the environment as he believes that man is both the source and sink. Dr. Jude believes that maintaining equilibrium balance between deleterious human causative activities and providing energy is critical for man. His life goal as he has remarked in several environmental/energy publications and conferences is to find the 'thin' line between energy and environment as we need both to survive.

M.C and moderator Captain J likes to deliver events and programs like this, play chess, watch and play football and also finds pleasure in travelling, having travelled to over 18 countries across all the continents except Australia. He is married to Margaret-Mary and blessed with four kids, two of which are twins.



# SHORT COURSES

**SOCIETY OF PETROLEUM ENGINEERS  
SECTION 103 PORT HARCOURT**

## 2023 YOUNG PROFESSIONAL SYMPOSIUM

### SHORT COURSE FACILITATORS

<b>ThankGod Egbe Jr</b> Machine Learning Engineer, CypherCrescent Limited  Course title: Machine Learning in the Energy Industry	<b>Henry Ren</b> Senior Consultant at REN DATASIM, LLC  Course title: Blockchain Technology and Digital Twin Distributed Data Fabric for Oil & Gas Applications	<b>Gerald Ihedionye</b> Co-Founder, ExcelforEnergy  Course title: Applications of Microsoft Excel in the Energy Industry	<b>Chris Egwuatu</b> Project QHSSE Engineering and Management, NLNG  Course title: Business Analytics & Project Management in the Energy Industry

THEME:

## SECURE AND SUSTAINABLE ENERGY:

Challenges and Opportunities for the Energy Professional

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**OFURE UGEGE**  
YP CHAIRPERSON

**EMMANUELLA AGBO**  
YP SYMPOSIUM CHAIRPERSON





**Dr. Henry Ren,**  
Senior Consultant,  
REN DATASIM INC

**Dr. Ren** has over 36 years of experience in both the oil and gas upstream and downstream industry and is well connected to the upstream and downstream production community worldwide, particularly in process modeling and simulation, and process online solution applications.

Dr. Ren retired from Chevron in 2021. In the past, he had worked Stone & Webster as Sr. Process Engineer; Invensys SimSci as Principal Simulation Tech Lead; and Chevron as Advisor of Simulation Engineering. He had led a team that developed a few large-scale process online solutions for Deepwater facility and subsea pipeline network.

Dr. Ren was a principal inventor of US Patent 9500035B2 for Dual Gradient Managed Pressure Drilling Online Solution. He has created another US Patent in application with Mitsubishi Heavy Industry in 2022. He had also as principle inventor for Erosion Index and FIV Index ML model for DeepStar Research Program.

He holds a Ph.D. in Chemical and Petroleum Refining Engineering, Colorado School of Mines, Golden, Colorado, and B.Sc. in Chemical Engineering, East China University of Chemical Technology, Shanghai, China.

**Engineer Christopher Anierobi Egwuatu** is a seasoned and award-winning multidisciplinary Engineer with over 20 years' experience in the Energy industry of which majority are multi-billion-dollar engineering, procurement and construction (EPC) contracts/projects delivery. A Project Engineering Leadership and Management Professional on the NLNG T7 Project - LNG Jetty 3 and Non Passenger Jetty Works being executed by the marine projects giant, China Harbour Engineering Company (Nigeria) Limited (CHEC) for Saipem Chiyoda Daewoo JV (SCDJV), he has delivered remarkable business value and fit for purpose projects through balancing competing demands of project scope, budget and schedule without compromising quality outcomes, zero tolerance, fitness for duty and the environment.

A Distinguished Fellow of both the Nigerian Society of Engineers (NSE) and the Nigerian Society of Chemical Engineers (NSChE) respectively. He completed his registration with the Council for the Regulation of Engineering in Nigeria (COREN) in 2009 and also a member of other professional affiliations including: Nigerian Institution of Facilities Engineering and Management (NIFEngM), American Institute of Chemical Engineers (AIChE), Institution of Chemical Engineers UK (IChemE), Society of Petroleum Engineers International (SPE), Society of Energy Administrators (SEA), among others.

Engr. Chris is affiliated to SPE Section 104, Warri Nigeria Section where he had served in multiple capacities across the section board and the Nigerian council demonstrating volunteerism, dedication and commitment to selfless service. He received the prestigious SPE Regional Projects, Facilities and Construction Award - Africa Region in 2022 and SPE Regional Health, Safety and Environment Award - Africa Region in 2019 respectively.

His professional experience centered on viz: codes, standards and certifications, industry best practices and total quality management, management system audits, floating production storage and offloading vessels, topping plants, storage tanks, marginal fields, project development and construction management, skill gap analysis and capacity building, small-scale enterprise development and business process management.

Engr. Egwuatu, is a team builder, a self-motivator, a silent achiever and enjoys engaging himself in multi-disciplinary and inter-disciplinary researches, attending conferences both locally and internationally, making presentations, consulting, developing process improvement and lean implementation strategies across broad endeavours, playing scrabbles, travelling and spending quality time with his family.



**Chris Egwuatu**  
Project Engineering & Management,  
NLNG



**ThankGod Egbe,**  
Machine Learning Engineer,  
CypherCrescent

**ThankGod Egbe Jnr** is a highly experienced Machine Learning Engineer at CypherCrescent, with a proven track record of delivering innovative AI solutions for real-world problems. His expertise in Machine Learning, Data Science, and AI research, combined with his skills in Python programming, make him a valuable asset to any team.

He's passion lies in developing data-driven models that consider uncertainty in predictions, utilizing Probabilistic and Bayesian inference techniques in deep neural networks. He takes pride in taking AI projects from conceptualization to production, and he excels in the practical aspects of ML operations.

In addition to his technical skills, ThankGod is an expert in developing web-hosted applications using Python Flask API on the Azure Cloud platform, which has resulted in the delivery of high-quality solutions for complex AI problems.

Moreover, he is a lifelong learner who is passionate about AI for the societal good. He constantly seeks out new challenges and opportunities to apply exciting new research areas in AI. He loves to teach ML/Data Science related topics that are project-based to beginners, and he has trained over 50 undergraduates and industry professionals in the field of machine learning over the past 3 years.

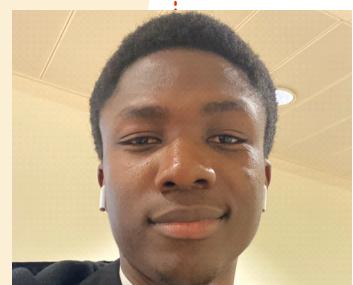
Overall, ThankGod Egbe Jnr is a skilled and dedicated Machine Learning Engineer who is committed to delivering cutting-edge solutions for real-world problems and sharing his knowledge with others.

**Gerald Ihedilonye** is a Reservoir Engineer and Data Scientist with credible professional work experience in the Nigerian Oil and Gas Industry, spanning across Reservoir Engineering, Well Management and Engineering Software Development domains.

He is a multi-award winning scholar and holds a Bachelor's Degree (First Class Honours) in Petroleum Engineering from the Federal University of Technology, Owerri. He is currently undertaking his MSc program in Earth Science and Engineering at Imperial College, London, United Kingdom, under full sponsorship from the Petroleum Technology Development Fund. His program focuses on the application of data science and machine learning in subsurface geoscience and engineering.

Gerald is also the co-founder of Excel for Energy Professionals, an online learning community of Microsoft Excel enthusiasts, students and professionals alike, in the energy industry. He has facilitated Microsoft Excel learning sessions on automation and data analysis, locally and internationally, and has taught courses for energy professionals in national conferences of the Society of Petroleum Engineers (SPE) Nigerian Council, and postgraduate students in two Nigerian universities.

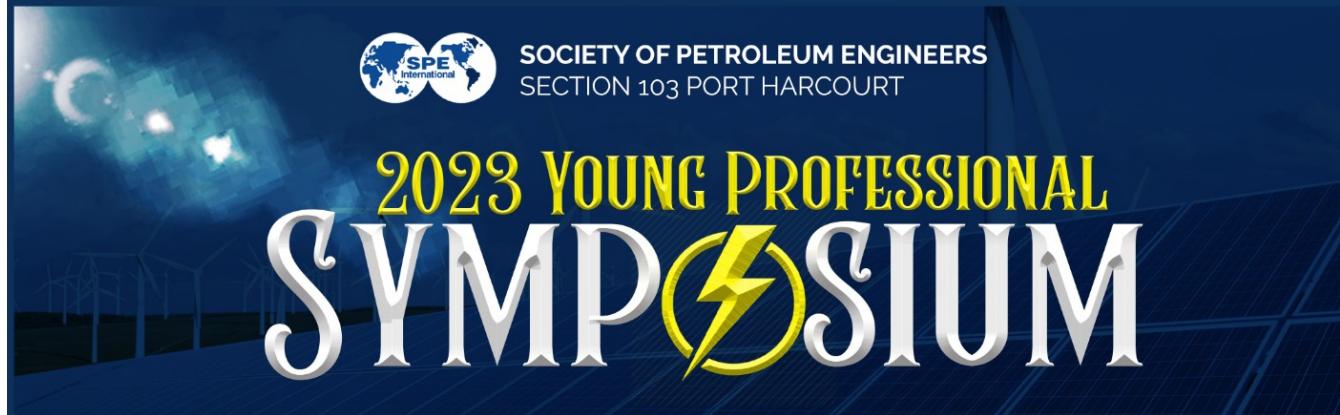
Outside work and academics, Gerald loves to volunteer, mentor and travel. He is an active member of the Society of Petroleum Engineers International (SPEI) and a Fellow of the Young African Leaders Initiative (YALI) Emerging Leaders Program.



**Gerald Ihedilonye**  
Co-Founder, ExcelForEnergy



# CAREER FAIR



# CAREER FAIR

SAT. 15TH APRIL, 2023

@Casoni International Hotel & Suite,  
No. 6 Presbyterian Close, Off Stadium Road,  
opposite RCCG, Rumuomasi, Port Harcourt.

## FEATURING:

- \* Recruitment Opportunities
- \* CV/Resume Reviews
- \* Career Talks from Professionals
- \* Quizzes & Aptitude Tests
- \* Kahoot Games with prizes to be won.

MEET & INTERACT WITH POTENTIAL EMPLOYERS & INDUSTRY PROFESSIONALS  
ACROSS DIFFERENT FIELDS

Symposium Registration Fee: ₦3,000



Register for symposium  
<https://tinyurl.com/spephcyp>

### For Enquiries



Joshua  
Iwowari

07030454881  
08132781439



Register for Career Fair  
<https://bit.ly/SPE-CF2023>

Deadline for Career Fair – 10th April 2023

YP Symposium Sponsors:



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EMMANUELLA AGBO  
YP SYMPOSIUM CHAIRPERSON



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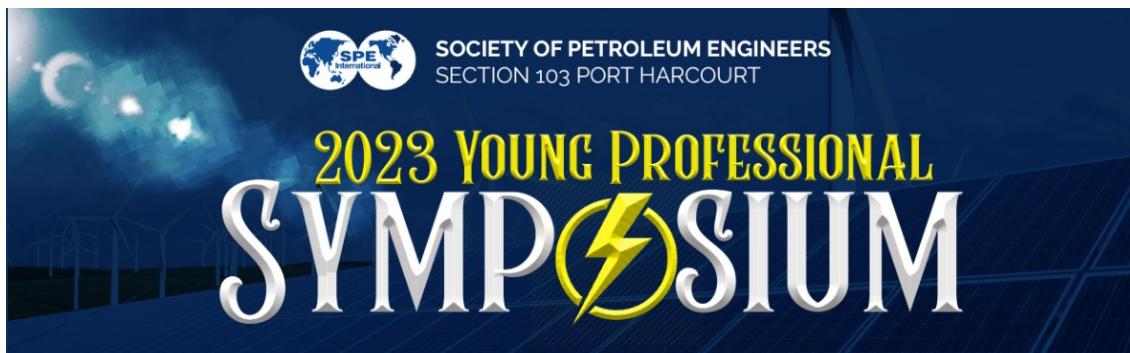
SCOPEX NIGERIA LIMITED

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# NEW ENERGIES BREAKOUT SESSIONS



### BREAKOUT SESSION SPEAKERS

**Afolabi Akinrogunde**  
Investment Manager,  
All-On

**Topic:** Green Mini-Grids:  
Accelerating Electricity  
Access through Clean  
Energy mini-grid  
Solutions

**Yetunde Fadeyi**  
Climate Change  
Consultant, International  
Renewable Energy  
Agency (IRENA)

**Topic:** GHG Emission  
Reduction and Climate

**Franklin Omusi**  
CEO/Managing Director,  
Genesis Ecopower Systems  
Limited

**Topic:** Energy Storage:  
The Importance of  
Energy Storage Systems  
in the  
Decarbonization  
Roadmap

**Michael Ogbuanu**  
Lead, Site Management  
Systems, NLNG

**Topic:** Sustainable  
Energy Supply: The role  
of LNG in the Energy  
Transition

T H E M E :

## SECURE AND SUSTAINABLE ENERGY:

Challenges and Opportunities for the Energy Professional

**Saturday 15th April 2023**  
(8am – 4pm) – Hybrid

Symposium Registration Fee: ₦3,000

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



Register for symposium  
<https://tinyurl.com/spephcyp>

Sponsors:



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SECTION CHAIRMAN

NGOZI OKONKWO  
PROGRAMS CHAIRPERSON

OFURE UGEGE  
YP CHAIRPERSON

EMMANUELLA AGBO  
YP SYMPOSIUM CHAIRPERSON



**Folabi**, is responsible for leading All On's deal origination, structuring, negotiation, due diligence and portfolio governance/management functions. He manages a portfolio of 46 investee companies, which include some of the most dynamic companies working to solve Nigeria's deep energy access challenges. He has overseen a 3x growth in the size and scope of All On's investment business in the last 3 years, delivering investments in companies worth tens of millions of Dollars and impacting over 60,000 homes and small business across Nigeria.

He has more than 2 decades of deal delivery, communications, commercial operations, business development and business analysis experience covering the marketing, telecoms and energy sectors – providing the interdisciplinary experience required to support All On's investee companies.

'Folabi has written articles and spoken at various public fora on energy, gas, power and the energy 'transition with a key focus on finding integrated, unique, Nigeria-centric solutions to its energy challenges.

He has a rich multidisciplinary experience and background, with first and post-graduate degrees in the humanities, public and international affairs and business administration. His ability to identify environmental dynamics and trends and translate them into actionable corporate insights and deliverables is respected within the Nigerian renewable energy space. He currently represents All On on the boards of Auxano Solar Nigeria Limited, Nigeria's premier solar panel assembling company, Solstroem (trading as Carbon Clear) – a Co2 monetization platform and GVE Projects Limited, the largest Nigerian-operated solar mini-grid company.



**Afolabi Akinrogunde**  
Investment Manager, All On

**Michael Ogbuanu** has over 16 years working experience within the Oil and Gas industry, with a wide range of professional and leadership developments and training interventions. Current competencies include value chain optimization, LNG feedgas & production scheduling and planning, Gas gathering & transmission systems, HEMP facilitation, Auditing, Team leadership, Lean process improvements, as well as developing and implementing management systems that deliver sustainable expected business outcomes.

Michael has a Bachelor's degree in Petroleum Engineering Technology (FUTO), a Diploma in Scientific Programming and Software Development, as well as an MBA in Organizational Leadership (USA). He is also a corporate member of the Nigerian Society of Engineers.



**Michael Ogbuanu**  
Lead, Site Management Systems,  
NLNG

He is married with two children, aged 11 and 8. During his spare time, he studies developing trends in business and investments, religion, music, sociology, and philosophy.





**Yetunde Fadeyi** is an energy and sustainability practitioner with over a decade experience exploring the nexus between renewable energy, food security, climate-smart health programs, global health as well as developing scientific research, communication, project management and policy advocacy strategies for these projects. Deborah holds a Master's degree in Mechanical Engineering - specialising in Sustainable Energy and Environment, from Cardiff University, United Kingdom, under the Chevening/FCDO Scholarship. She also possesses several qualifications, including from the Hague Academy for Local Governance, the Netherlands, on inclusive service delivery and Nonprofit Management Programme for Senior Executives at Lagos Business School, Pan Atlantic University.



**Yetunde Fadeyi**  
Climate Change Consultant,  
IRENA

She currently works with the Oyo State Government through a Public Private Partnership as Chief Sustainability Officer, restructuring the waste management system for Oyo state from Cradle to Cradle. This role features her leading Community Development initiatives and forging innovative partnerships across other private and public sectors, developing multifaceted and inclusive strategies. She has successfully reformed waste delivery as a service considering socioeconomic groups and has kickstarted the delivery of turning all illegal and decommissioned municipal dumpsites into waste-energy plants to power hospitals, streetlights, and stadiums, among others.

She is currently building Vector Energy, which is positioned to fundamentally change how our world uses power via the integration of incentivized fintech with cleantech for sustainable solutions, seed-funded by All On, Shell Company. The flagship product, Vector Eco, has been described as an ultimate replacement for small petrol generators and reiterated by experts at Lawrence Berkeley National Laboratory, California.

Her ultimate goal is to leverage her competencies across policies, research and practice, entrepreneurship domains to democratise energy access and sustainability, ultimately enabling smooth energy transition for sustainability for millions of people. She is a US TechWomen scholar, One Young World Scholar and a nominee for community action for The Future Africa Awards.





**Engr. Franklin Omusi** is currently the Managing Director of Genesis Ecopower Systems Limited and Genesis Chemicals Limited and has over 20 years experience in Renewable Energy Systems design, installation, training and project management especially Solar Systems. He has over 12 years experience in the Design, Manufacture and Maintenance of Batteries which is an important component of any renewable energy systems deployment. He served many years as a member of the SON (Standards Organization of Nigeria) technical committee in the development of standards for the automobile industries which includes batteries.

As Head of R&D department of a Battery manufacturing firm, he designed and supervised the construction of the FIRST and only 100,000 units per annum of SMF (Sealed Maintenance Free) Automobile Battery Plant in Nigeria. He designed and built Batteries For the NIGERIAN NAVY to put back into service a NAVAL WARSHIP that was down for several months due to unavailability of battery components. He designed and built Specialized Batteries for the Nigerian Airforce Plane MI17 and the Nigerian Search And Rescue Plane MI35.



**Franklin Omusi**  
CEO/ Managing Director,  
Genesis Ecopower Systems Limited

He was part of a local Team of Engineers that designed and Fabricated Equipment for the assembly of a local Plant for the manufacture of Propellant for the Defense Industries Corporation of Nigeria (DICON) in Kaduna Nigeria. He also worked with a Team of Engineers to Develop and Produce a UNIVERSAL WOOD WORKING MACHINE using Reverse Engineering under the Supervision of the National Agency For Science And Engineering Infrastructure (NASENI). He was head of a local team that designed a 10,000 Liters per day of a Modular Refinery for the then Anambra state government in 1998

He was a part of a select German-Nigerian Delegation to Study Electrical Infrastructures in Germany under the German Government Sponsorship. He has designed and deployed alternative power solution systems using renewable resource for both private and corporate organizations in Nigeria including Hospitals, Government offices etc. He designed, developed and instituted a yearly training course on Battery Management Systems for Officers and Men of The Nigerian Airforce. This program is still in operation.

He is regularly engaged in training Nigerians in Renewable Energy competency under the sponsorship of both local organization and foreign agencies including the Renewable Energy Desk of the German Consulate in Nigeria. He has been recognized by several professional bodies such as Nigerian Society of Engineers for the Award of Excellence in Engineering Service Delivery.

He is a COREN certified Engineer. He is also a member of several professional associations such as The Nigerian Society of Engineers (NSE), The Nigerian Society of Chemical Engineers (NSChE), International Solar Energy Society (ISES), CREN etc. He is an ISO 9001 trained Lead Auditor. He is a NEMSA Certified Renewable Energy Consultant.

# Organising Committee



Emmanuella Agbo



Oloruntoba Isehunwa



Joshua Atte



Enyo June



Isreal Emmanuel



Chukwuemeka Chiwuike



Nicholas Asimea



Patrick Ezenachi



Iwowari Christopher



Nwamaka Igboanusi



Nze Roi



Emmanuella N Ebere



Precious Vincent



Obianuju Isicheli



Simeon Oghenede



Daniel Ekeke



Theresa Abdulmalik



Dr Jude Osimobi



Ofure Ugege

# UPCOMING EVENTS

**SPE Professional Development Training**

**Becoming The Best VERSION OF YOU**

**DATES & LOCATIONS:**

LAGOS April 22	WARRI April 29	PORT HARCOURT May 06	BENIN May 13	ABUJA May 27
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8am - 4pm

Nothing is more important to your career, business or success in life than your mindset.

How you think about success or wealth affects your career, finances and every other area of your life too.

Join me as I take you through an interesting and insightful workshop, and show you exactly how you can begin to apply powerful principles by using your thoughts and ideas — to become successful in all areas of your life; avoiding pitfalls and traps encountered when you search for solutions without rather than within.

**WHO SHOULD ATTEND:**  
SPE Section Officers/Staff and Industry professionals

**SPONSORED BY:**  
Society Of Petroleum Engineers  
NIGERIA COUNCIL

**Register here:**  
<https://tinyurl.com/SPENC-PDC2023>

**SOCIETY OF PETROLEUM ENGINEERS  
SECTION 103 PORT HARCOURT  
YOUNG PROFESSIONALS CHARITY/CSR PROJECT**

**REHABILITATION OF DILAPIDATED SCHOOL CLASSROOMS AND LIBRARIES**

With your generous donations, you can help provide desks, books, whiteboards, other teaching aids and do a general facelift of dilapidated classrooms for some school children. **TOGETHER WE CAN MAKE A LASTING IMPACT IN THE LIVES OF THESE CHILDREN**

**SCHOOLS**

1. Gracious Academy, Obiwali Road Rumuigbo PH
2. Community secondary school, Rumuapara PH

**PAYMENT DETAILS**

**GT BANK**  
0037662517  
**SOCIETY OF PETROLEUM ENGINEERS**

**FOR ENQUIRIES & SPONSORSHIP**

Joshua - 07030454881  
Clinton - 07015847968

**Amount required: 2.5 MILLION Naira**

**Daniel Abia**  
Section Chairman

**Ngozi Okonkwo**  
Programs Chairperson

**Ofure Ugege**  
YP Chair

**Joshua Atte**  
YP Charity/CSR Team Lead

**SOCIETY OF PETROLEUM ENGINEERS  
SECTION 103 PORT HARCOURT**

**STEM FAIR PROGRAM**  
For Secondary Schools in Port Harcourt

**THEME:**  
**INNOVATIVE SOLUTIONS FOR FUTURE TECHNOLOGY AND SUSTAINABILITY.**

**Sat. 13th May 2023 | 8:00AM**

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

**HIGHLIGHTS**

1. STEM Fair Exhibitions
2. STEM Quiz
3. Debate: Artificial Intelligence is Dangerous

**LOADS OF PRIZES TO BE WON**

**For Sponsorship and Participation, Contact**

Obianuju 09053652032  
Chibuike 08140314902

**DANIEL ABIA**  
SECTION CHAIRMAN

**NGOZI OKONKWO**  
PROGRAMS CHAIRPERSON

**OBIANUJU ISICHELI**  
STEM CHAIRPERSON

