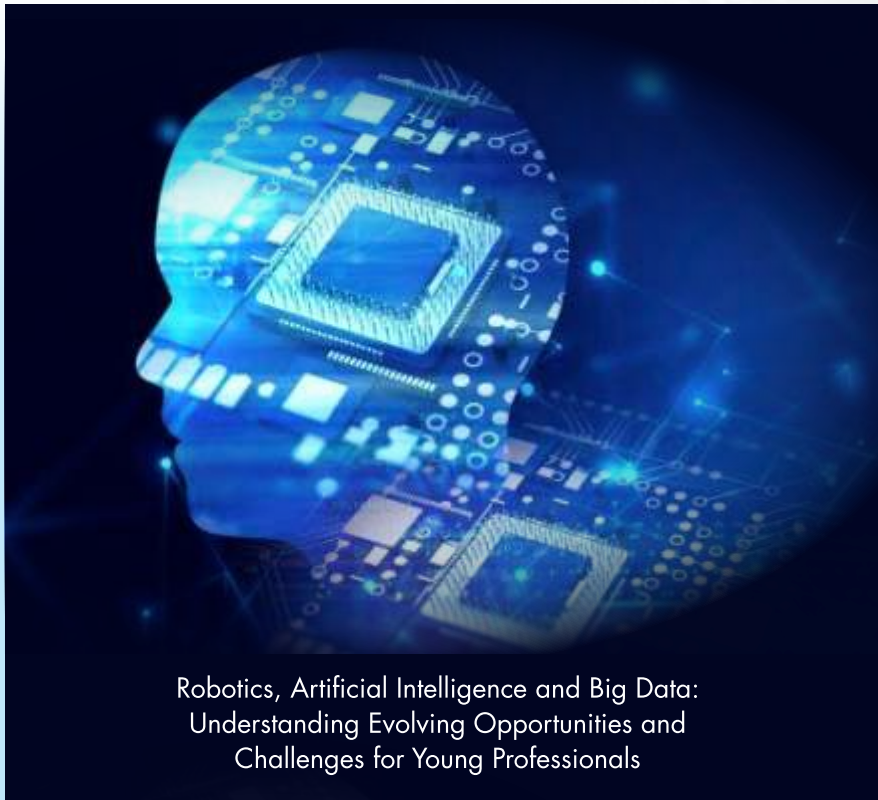




Society Of Petroleum Engineers
NIGERIA COUNCIL

SPE NAICE 2019

Young Professionals Program



Robotics, Artificial Intelligence and Big Data:
Understanding Evolving Opportunities and
Challenges for Young Professionals

WORKSHOP BROCHURE
EKO HOTELS & SUITES
AUGUST 4TH – 5TH

PROGRAMME OF EVENT, NAICE 2019

THE SPE YOUNG PROFESSIONALS PROGRAM OF EVENTS, NAICE 2019

SPE YP 2019 Away Day - Sunday, August 04, 2019

Venue: Barracuda Beach, Ajah

S/N	Events	Time	Description
1	YP Away Day	11:30am - 5:00pm	Networking and Team building for YPs

SPE YP 2019 Workshop - Monday, August 05, 2019

Venue: Orchid Hall, Expo Center, EKO Hotel & Suites, V.I, Lagos

2	LUNCH	12:00pm - 12:45pm	LUNCH
3	General Opening Session	12:45pm - 1:10pm	Guests are seated, Networking and Raffle Draw for Early Comers
		1:10pm - 1:15pm	Safety Brief
		1:15pm - 1:25pm	Welcome of Guests and Introduction of Distinguished Members
		1:25pm - 1:30pm	Welcome Address by Chairman, SPE Nigeria Council
		1:30pm - 1:35pm	Opening Speech by YP Chairperson
4	Keynote Lecture	1:35pm - 2:05pm	Keynote Lecture on workshop theme: "Robotics, Artificial Intelligence and Big Data: Understanding Evolving Opportunities and Challenges for Young Professionals"
5	Panel Discussion	2:05pm - 2:45pm	Understanding Evolving Opportunities and Challenges for Young Professionals in Robotics, Artificial Intelligence and Big Data
6	Remarks by Sponsors	2:45pm - 2:55pm	
7	Section Competition	2:55pm - 3:30pm	Presentation by YP Sections Chairs (5 sections, 5mins presentation, 2 mins Q&A each)
8	Robotics, Artificial intelligence and Data Science Competition	3:30pm - 4:05pm	YPs will participate in robotics, artificial intelligence and data science competition focused on providing innovative ideas and solutions to energy related problems. Presentations will be made to the Senior Members / Executives who will assess their work and give feedback on their projects. (5 sections, 5mins presentation, 2 mins Q&A each)
9	Remarks by Sponsors	4:05pm - 4:15pm	
10	Closing	4:15pm - 4:30pm	Closing Remarks, Group Photographs, Feedback Survey

SPE YP RECEPTION 2019 - Monday, August 05, 2019 (4:30pm -6:00pm)

SPE Nigeria Council Chairman's Welcome Address



It is a great pleasure to be here and I would like to thank the Young Professionals for the opportunity to be part of this workshop. This year, SPE Nigeria Council is looking to drive discussions and intellectual debates on the fourth industrial revolution currently sweeping across all sectors globally, with a focus on the Energy Industry, as seen in this year's NAICE theme (**Artificial Intelligence, Big Data and Mobile Technology: Changing the Future of the Energy Industry**) and I believe you as YPs will be active contributors to these discussions and debates.

Young professionals in different sectors across the world are at the forefront of the drive towards Artificial Intelligence, Big Data and Mobile Technology, with daily innovations and upgrades to existing technologies. We've seen mobile phones morph from the popular "mango-plucking" Nokia 3310 to the new touchscreen smartphones we have, which work with voice commands (Siri etc.)

and are packed full of apps and games we use daily; we've also witnessed the evolution of cars from the manual transmissions which our parents drove to the newer cars which are not just automatic but can be started from a distance (cue Lexus). Bringing it home to our industry, we've seen engineers and geoscientists move from drawing maps by hand and running calculations on paper and even Excel, to using different software, programs and tools to simulate all possible hydrocarbon development scenarios. As interesting as these might seem, the future of the energy industry and the world generally is still changing and moving in the direction of AI, Machine Learning and Big Data, based on the premise of lower costs and increased productivity. This future will incorporate robots, virtual reality (VR) and other advanced technologies in both our personal and professional lives.

These changes and advancements throw up different burning questions, not just for the energy industry, but for the YPs, who are the future of the industry and would be at the heart of the big crew change as the older professionals will retire from the industry. You need to prepare for this future and understand its implications on your career and the future of work. I have read a couple of articles that seem to suggest that artificial intelligence will be a threat to employment in the future. This is enough to cause some panic and make people begin to think of alternative majors in university. On the other hand, I have also seen information that buttresses the fact that the future of work will change but that there will be no net loss of jobs, instead jobs will be transformed through the application of robotics, analytics and big data to our current and future roles. The combination of all this makes it imperative for Young Professionals to come up with answers to some of these burning questions which include

- Will the energy industry tag along or be left behind?
- Will robots take over our jobs?
- What's the future of the Young Professionals in the changing environment?
- What do Young Professionals need to do, to come out in front and stay ahead of the curve?

The need to answer these questions makes the theme of this year's YP workshop – **Robotics, Artificial Intelligence and Big Data: Understanding Evolving Opportunities and Challenges for Young Professionals** – very apt and timely and I urge you to make good use of the time you will spend here, to come up with these answers and proffer ideas and solutions on how the energy industry can maximize the benefits and opportunities that will be available in the evolving future.

Finally, but most importantly, I would like to thank the sponsors (Century Group, Vaughn Energy Services Ltd, AOS Orwell and NLNG) for their continued support and contributions to making this workshop a reality. In addition, I would also like to commend this year's NAICE Young Professionals' Planning Committee, who have put together such a fantastic workshop.

I welcome you to the 2019 SPE Nigeria Young Professionals Workshop and I wish you a richly rewarding experience in the time you will spend with here.

Thank you.

Debo Fagbami

2019 SPE Nigeria Council Chairman

SPENC 2019 Young Professionals' Chair Speech



It is with great joy that I welcome you to this year's YP workshop. In line with the overarching theme of this year's conference - Artificial Intelligence, Big Data and Mobile Technology: Changing the Future of the Energy Industry, the theme of this year's workshop is: **Robotics, Artificial Intelligence and Big Data: Understanding Evolving Opportunities and Challenges for Young Professionals.**

The future of energy and the world at large is being transformed with the emergence of digital systems, artificial intelligence, machine learning and big data analysis. This transformation is premised on lower costs and increased productivity (better and cheaper than humans!) – cue Siri, Alexa, the Nigerian banks bots like Leo, Ada, etc. Through augmented reality, engineers are now able to interact virtually with oil and gas equipment using HoloLens. With this drive, the world is transitioning from the digital revolution into the fourth

industrial revolution era, which promises a lot of possibilities. Imagine a scenario where you have no need for a gateman, cook or gardener because your friendly neighborhood robot has been programmed to carry out their respective tasks at the click of a button, at the same time and in the same manner every day.

The technologies driving this revolution have the potential to connect billions of people across the world and change the future of work, bringing with them new opportunities and challenges. We need to prepare for this future as young professionals and understand the implications, especially with respect to the energy industry.

As we anticipate these changes, we need to find answers to questions on our minds. Is the change in the future of work an opportunity or a challenge for me, as a young professional in the energy industry? What skills do I require to be relevant in the future? Where and how can I get the skills required to position for the future of the energy industry?

This workshop will provide answers to these questions and more. It will also stimulate discussions and conversations among Young Professionals. My hope is that it will proactively prepare us for the future and properly position us to harness these new technological innovations with the view to move the energy industry in Nigeria and the world at large, forward.

I would like to thank all our sponsors (Century Group, Vaughn Energy Services Ltd, AOS Orwell and NLNG) for their unwavering support. In addition, I will like to thank members of the Nigeria Council for their steer and support throughout the planning of this workshop. I could not have pulled this event together without the commitment and dedication of the members and advisers of this year's NAICE Young Professionals' Planning Committee.

I look forward to the engaging discussions, new networks and your full participation in all the activities we have lined up. This is our event so let's make the most of it and have a lot of fun while at it.

Biyi Awotiku
2019 SPENC YPPC Chair

About the Workshop

The 2019 YP Workshop is focused on exploring the opportunities available for Young Professionals in a rapidly changing world where information technology takes the center-stage as indicated by the theme: **“Robotics, Artificial Intelligence and Big Data: Understanding Evolving Opportunities and Challenges for Young Professionals”**

SYNOPSIS: The world is gradually moving from the digital revolution era into the fourth industrial revolution. The technologies driving this revolution such as Artificial Intelligence, Big Data, Robotics, Internet of things, etc. all have the potential to connect billions of people across the world and change the future of work. This revolution is driven based on the premise of lower costs and increased productivity (better and cheaper than humans!). We need to prepare for this future and understand the implications. While we anticipate the changes to how we work, some of the daunting questions in the minds of young professionals include:

- Is the change in the future of work an opportunity or a challenge for us in the energy industry?
- Will people still be required to work on rigs, production platforms and manifolds or will these be taken over by automation?
- Will human input still be required for reservoir analysis and simulation, production analysis, e.t.c.?
- Are we ready to let go of some jobs and create new ones?
- Will young professionals possess the requisite skills needed to excel in the future?
- Where and how can young professionals get the skill to position for the future of the energy industry?

A keynote lecture will be delivered on the workshop theme. Thereafter, there will be a panel session with 5 inspiring and sought-after professionals. The panelists are drawn from entrepreneurs in IT sector, top Managers from the E&P companies and the academia. They will provide their perspectives on the derivatives of the theme and practical applications in the oil and gas industry.

Derivatives of this Theme include: -

Panel Session – Understanding Evolving Opportunities and Challenges for Young Professionals in Robotics, Artificial Intelligence and Big Data

- a. The Journey to Robotics, Artificial Intelligence & Big Data: To understand the buzz around Robotics, AI and Big Data, we need to walk down memory lane to see how far we've come. Why is this topic relevant now in the energy industry?
- b. Technological Savviness of the Younger Generation – A Threat or Opportunity: The younger generation is known to be technology-savvy, quick to learn programming languages and have access to a wide range of information. Will this pose a threat or opportunity for the utilizing Robotics, AI and Big Data in the Energy industry.
- c. Opportunities and Challenges for Young Professionals: Where do young professional fit in, in the evolving landscape and what are the challenges that need to be overcome to take full advantage of what the future holds.
- d. Entrepreneurial Leadership: Taking a deeper look into the entrepreneurial opportunities that exist in a world of Robotics, AI & Big Data. How can young professionals build the requisite skills to take advantage of entrepreneurial opportunities?

YP Section Report – Section 116 Benin

The Young Professionals (YPs) in Benin Section had an amazing 2018/2019 board year. We started by constituting the **Project-STAR** (Seek Teach and Reach) among other committees who saw to the actualization of our set goals within timelines.

We wanted to improve on our previous performance and that we did.

Summary of our achievements:

TECHNICAL EVENTS:

ALP: We conducted **22 ALPs** (3 Universities, 19 Secondary Schools). The ALP reached over **987** university students, and over **1,400** secondary school students.

Energy4me: We carried out **11 Energy4me activities** in over 7 secondary schools with an average of almost 2 activities in each school. This is the highest ever conducted in any SPE section internationally. SPEi was impressed; so much that some of the activities made its way to the Energy4me blog article.

Kindly click on the link to read <http://energy4me.org/a-one-hour-volunteer-session-can-lead-to-a-life-long-career-in-oil-and-gas/>

The activities conducted were: Sedimentation Bottle, Core Sampling, Getting the Oil Out, Perforated Well Casing, Peak Oil Game, Understanding Density and Cartesian Diver Lab.

The **Energy4me Facts or Fiction Handbook** were given to the kids as souvenirs after the activities were concluded. The reach was over **1,700** secondary school students.

YP Workshop: We held our YP Workshop titled "**Giving the Oil and Gas Sector a constructive facelift by harnessing the power of the Young minds**". on 18th of May 2019 with 127 students, 12 YPs, 3 SPs in attendance.

The speakers covered three fundamental knowledge gaps in the oil and gas sector:

- (1) Health, Safety and Environment,**
- (2) Introduction to Geology and Geophysics**
- (3) Machine Learning**

Webinars: YPs participated in **4** amazing SPE organized webinars. With available Wi-Fi connections, a projector screen, the Webinars were perfectly set up in conference rooms for the YPs present.

Technical and Soft Skill Lectures: YPs delivered soft skills lectures on topics like time management, work ethic, and effective communication skills. Technical lectures were organized and delivered in University Chapters and more technical lectures were also carried out by YPs at the 2nd edition of the Field Optimization and Economic Symposium (FOPES 2019) held on April 3 & 4 2019.

PROFESSIONAL PROGRAMS

YP Premier Career Pathway Fair: The YPs organized a successful premier Career Pathway Fair on May 18th, 2019 with 103 Students, 10 YPs, 4 Senior Professionals and 3 Faculty advisors in attendance. The event was tailored to provide insights into possible career paths in the oil and gas sector, disseminate technical knowledge, create networking opportunities and sharpen interpersonal skills.

Six areas of specialization were highlighted, and they include; Reservoir Engineering, Geology and Geophysics, Wells: Drilling and Completion, Finance and Accounting, HSE Surface Facilities.

YP - Ladies Forums: Female YPs took an initiative to have an informal interaction with ladies from the university chapters and sensitive them about the endless possibilities available in the oil and sector. It also geared at increasing volunteerism and improving participation from the female gender within the section chapters.

NYSC Torch Bearers Scheme: This was targeted at Corp members in Benin City, Edo state, Nigeria. The YPs successfully executed this two-day event that held from April 19th – 20th, April 2019 with a total of 187 National Corp Members, 9 Young Professionals and 2 senior professionals in attendance.

YPs utilized the opportunity to; circulate technical knowledge on the oil & gas sector, provide career tips and introduce the corps members to SPE.

YPs donated a Public Address System to the Benin city zonal secretariat as part of giving back to society.

COMMUNITY ACTIVITIES:

Science Fair: YPs constituted 80% of the team that executed the SPE Benin section 2019 Annual Science Fair & Exhibition.

The event was themed "**Building Innovative Technologies that can transform the Oil and Gas Sector**". The event held on May 25, 2019 with an attendance comprised of 56 high school students, 9 Student members, **12 YPs**, 4 Senior Professionals, 3 members from other professional bodies, and 11 high school teachers.

After analyzing the projects executed by the high school students, the first, second and third position winning schools were awarded science laboratory intervention funds worth **₦180,000, ₦140,000 and ₦100,000** respectively.

In addition, three female students were awarded **₦50,000** each for coming out tops in the female education grant competition.

A quiz was conducted to select the best student in computer knowledge with a brand-new computer as the prize. This computer was singlehandedly donated by one of the YPs in the section.

SOCIAL/NETWORKING EVENTS

E-Mentoring: The SPE e-mentoring approach was used by YPs, where YPs became mentors and they discovered mentees through the SPE e-Mentoring outreach program. Activities/tasks between mentees and mentors were created and tracked on their mobile devices through the SPE mobile app called **Chronus**.

Interactions were strengthened via video calls.

YPs provided mentees with industry insights, personal Professional experiences and career directions.

YP-Novelty Football Match: YPs organized a Football Match which was held on April 13, 2019. The Football Match was an avenue for YPs and senior members in Benin section to informally to interact with each other while keeping fit.

Board games like Chess, Scrabble and Ludo and card games were available for members who were unable to play the football match due to certain reasons e.g. Pregnancy, Sprained ankles and so on.

39 section members were in attendance.

OTHER ACTIVITIES

Ergo-Break Massage Fund Raiser: In order to raise funds for the actualization of her set goals, the SPE Benin Section YP Network initiated the "**ERGO BREAK MESSAGES**" fund raising campaign from where we generated **₦2,345,000.00** in voluntary donations.

YPs used the ergo-break massages for the purpose of;

- improving the health, morale & productivity of the workforce
- Raising funds for the SPE Benin city section.

2019 NAICE YP Robotics, A.I. and Data Science competition: A team of YPs volunteered to participate in the competition and came up with a novel idea of developing software called **Lyght Reader**. The team is also charged

with using Artificial Intelligence and machine learning to improve the functions of the **Lyght reader** over time.

YPs in Benin section had a memorable 2018/2019 year, with the introduction of novel ideas and achievement of goals in compliance to SPE's mission and vision.

Ifeanyi H. Ndukwe

YP Chairperson, Section 116 (Benin) 2018/2019



Century Energy Services Limited, a member of Century Group is one of the largest providers of O&M services, executed in conjunction with our partners -for FPSOs- in the Gulf of Guinea. CESL provides training and manpower services and also provides community liaison and logistics support for our FPSO operations as well as for other IOCs operating in the Niger Delta.

CESL is expanding its operations beyond the West African Coast and is set to carve a niche in the global market. CESL offers a range of services to the oil and gas industry in Nigeria including:

- ❖ Operation and Maintenance (O&M) of offshore production and storage facilities including EPS, FPSO MOPU, FSO and Drilling Rigs/Jack up
- ❖ Operation / Maintenance of Flow Stations,
- ❖ Drilling / Drilling Support Services,
- ❖ Field Development Solutions,
- ❖ Engineering, Procurement, Construction and Installation (EPCI) of Oil and gas facilities,
- ❖ Mooring and Installation,
- ❖ Chartering and Management of Offshore Support Vessels, Anchor Handling, Tug Supply Vessels, Platform Supply Vessels, Utility Vessels, Accommodation Barges, Fast Support Intervention Vessels, Crew boats, Procurement and Materials Supply services, Offshore and Onshore Logistics Support Services, Training and Manpower Development, Community Affairs, Bunkering Services and Tank Farm Operations.

YP Section Report – Section 104 Warri

The Young Professionals of SPE Warri Section had a fantastic experience in the 2018/2019 board year. It's a special year for us despite the prevailing challenges in the country specially the withdrawal of major oil companies around the south-south region. The theme of the year **“Creativity and Ingenuity”** was born out of the need to excel under the prevailing challenges. The success of this year program wouldn't have been possible without the aid of active YPs amongst us and some volunteers that assist to drive our goals to a successful end.

The section YPs set our own goals and plan on how to execute them successfully. The achievements during the 2018/2019 board year include:

TECHNICAL ACTIVITIES

- The YPs organized Technical Lecture from September 2018 to June 2019 on the safe handling of cooking gas and effect of kerosene and firewood to house use for cooking.
- In February 2019, YPs in collaboration with an IT firm called UNICUS organized a sensitization lecture on how to use the facilities on your android phone for market innovation, get connected with the right people of like minds and share ideas on how best to improve on your skills.
- In April 2019, YPs organize a technical lecture to create awareness on artificial intelligence and its relevant to oil and gas industry.
- Knowing me-knowing-you of all YPs held on the 20th November, 2019, with the sole purpose to articulate our business plan for the year and developed a YP Facebook page (YP SECTION 104 WARRI) Where all our activities and events were posted.

EDUCATIONAL ACTIVITIES

- ALP and Energy4me Series Program held from September 2018 to April 2019
- **15 ALPs** and **5** Energy4me lectures held in 5 tertiary institutions and 10 Secondary Schools in the section where we reached out to over 2000 secondary school students and 1000+ university students and donated teaching materials to the students and teachers.

FEBURARY 2019

- YPs delivered a lecture to CTY students, Annual Catch them young, before they started their scholarship exam. Essay Competition was conducted for 41 students for Dr. Olumide Phillips scholarship.
- YPs team came with a model of offshore drilling platform and explained the basic part taking it down to their level.
- The YPs team did an interactive session with the school teachers and also a video of oil and gas operation was shown to them.

SOCIAL ACTIVITIES

The YPs team organized annual exercise program tagged **“Walk for life”** at PTI football field. This was done to promote and encourage members on physical fitness and also educate them on its benefits if done regularly with eating habit.

MEMBERSHIP DRIVE

The YPs team came up with a creative strategy for a successful membership drive that won us the SPEi award for the membership drive as against previous years.

FULL SUPPORT TO STUDENT

The YPs team supported lot of students at various tertiary institutions on their project case study and also securing place of industrial attachment for them in their relevant field of studies.

ACTIVE PARTICIPATION IN ALL THE SECTION ACTIVITIES

The section YPs were actively involved in planning and execution of all the section activities during the board year. They also provided full support and proper guidance to the student's chapter.

FUND RAISING

YPs spearhead all plans to publish the section's magazine containing all the section, YPP and student's activities to be unveil during our AGM by distinguish members and representatives of some of oil and gas companies that will be present. This will also help to generate more funds for the section.

WEBINAR

This is the only known YP section with **LinkedIn page, official YP email, Facebook page and WhatsApp group page.** All these are used for effective information and connectivity among YPs. After all, SPE is all about disseminating information and connectivity.

Mr. Shehu S Abubakar
YP Chair 2019, Section 104 Warri.



VAUGHN ENERGY SERVICES

Vaughn Energy Services, a fast-growing indigenous Service Company in Nigeria was established in January 2011 to provide Oilfield Services to the upstream sector of the fast expanding Oil and Gas industry in Nigeria and the West Africa Coastal region. The Government policies aimed at encouraging and ensuring more participation by competent Nigerians in the upstream Oil & Gas Industry has contributed to our growth process.

Vaughn Energy Services constantly markets innovative products & solutions that will reduce cost, yet provide the true benefits of reliability and uncomplicated design to meet our customers' needs.

Vaughn Energy Services provides high quality Gyro and Wireline Services. Emphasis is placed on quality of services, timely and cost-effective service delivery and client relations extending beyond the well site.

Our Vision

To be the ULTIMATE PARTNER OF CHOICE to our clients in wellbore placement and productivity around the Niger Delta and the Gulf of Guinea.

Our Mission

WE MAKE IT EASY for customers to do business.

We place your needs above our own. We earn your loyalty one job at a time. We match the right crew to each assignment, and we hold ourselves accountable to the highest standards of quality.

WE BUILD GREAT CAREERS by hiring and developing the best people.

We enable our personnel with a deep understanding of their operating environment. Then we combine their knowledge with fit-for-purpose technology to exceed the expectations of our customers. We always find a way to succeed.

WE PIONEER NEW TECHNOLOGY to maximize the value we create for our customers.

We are always looking for new ways to multiply our impact through effective innovation and collaboration. Wherever feasible, we integrate proprietary technology with partners' capabilities to achieve our customer's goals.

Every CUSTOMER counts. Every EMPLOYEE counts. Every JOB counts.

TECHNICAL PARTNERS

1. Dataflow Measurement Systems, DMS, UK – GYRO SURVEYING SERVICES
2. Target Oilfield Services, Freezone, Cairo – SLICKLINE SERVICES
3. VES Survey International, Fort Worth Texas USA. – GYRO SURVEYING SERVICES
4. ANTARES Datensysteme GmbH – CASED & OPEN HOLE SERVICES
5. Downhole Products, Aberdeen, UK
6. Wireline Engineering

YP Section Report – Section 199 Abuja

ABUJA SECTION YP REPORT

2018/2019 board year was an eventful and rewarding year for the Young Professionals (YPs) of the SPE Abuja section. We experienced growth in every aspect ranging from increased membership, new and innovative programs and more accolades to our section. We identified with the SPE key strategic goals to achieve our objectives.

- To engage in the professional and personal development of the young professionals in the section.
- To grow the YP network by integrating the recent graduates within the section into the YP network.
- To develop and mentor student chapters in the section.

The following are the activities we carried out to achieve our set objectives:

TECHNICAL EVENTS

• JOURNAL OF PETROLEUM TECHNOLOGY (JPT) REVIEW

This is first of its kind in the Nigerian council and possibly in the world. It was an innovation born out of our desire to keep our members up-to-date on the happenings in the industry. We noticed that some members often read their JPT due to busy schedule. During our Monthly Technical Meetings, we review the JPT and highlight the latest technological advances in the industry.

• AMBASSADORIAL LECTURE PROGRAMMES (ALP) and Energy4Me

We recorded 24 ALPs and Energy4Me during the year. During this period, we were able to expand our presence to new schools within the section.

• CAREER TALK

We participated in career talks in our university chapters for those fresh and graduating students. We encouraged even those in other departments to pursue careers in the oil and gas industry.

• ENERGY CLUB FORMATION

We established an energy club at The Shephard School Abuja. The idea of this energy club is to give Energy4Me to schools where teachers and senior school students will oversee training while the section monitors the program. Every week, YPs visit this school to teach the students about sustainable energy development and cleaner ways to produce energy. The program has been a success and many schools within the section environment are already keying in into the program.

INDUSTRY COLLABORATION

We noticed many companies in Abuja have mainly administrative offices in Abuja because the upstream industry includes information technology, data science, and other technical and engineering professionals who may have little experience with SPE, we visited companies such as The Department of Petroleum Resources (DPR), Ministry of Petroleum Resources and the Petroleum Equalization Fund and Petroleum Technology Development Fund (PTDF) to recruit their members and this has been very successful. Some of these companies have also agreed to host our Monthly Technical Meetings. The Abuja Section YPs also participated in the 2018 Nigeria Liquefied Petroleum Gas Association (NLPGA) Conferences and Exhibition held on November 2019-30, 2018 at PTDF.

MEMBERSHIP RECRUITMENT

- **FRESH GRADUATES RECRUITMENT:** One of the ways we used to grow our membership base was the integration of recent graduates in the section to the YP network. We created a WhatsApp group where we add and monitor our free graduates. We also visited the NYSC Camps to recruit new members and offered 50% reduction in dues for non-SPE members.
- **NEW CHAPTERS FORMATION:** We have successfully established the Bayero University Kano Chapter. Ahmadu Bello University Zaria and the Federal University Minna Chapters are currently being processed.

The result of this led to the sporadic increase in our membership base

MENTORSHIP PROGRAMME

We continued with the “Chapter to Section Connect Initiative” across out chapters, an initiative that brought the students members closer to the section. The initiative had three core objectives which are: To mentor executives of the present and new student chapters, to disseminate information easily from the Section to the Student Chapters and vice versa in an effective way; and to connect chapters outside Abuja to the Sections activities. Some of our YPs became mentors of some of our student chapters.

SPE CARES

We participated and supported our members during their social events. Many of our members celebrated their birthdays and one got married during the year and the YPs, students and senior members were duly represented.

AWARDS

2018/2019 Board years was indeed a successful year as evident with the numerous awards our section won. Awards includes; 2019 Regional Service award, 2019 International Young Member Outstanding Service Award, Chapter Award, 3rd Place finish in the Chapter AI, Data Analytics and Machine Learning Contest, Olumide Philips Scholarship Award, 1st and 3rd place in the SPE Nigeria Council Catch Them Young competition.

Christopher Eberebe

YP Chairman, Section 199 Abuja. 2019.



AOS Orwell Limited (AOSO) is an indigenous Oil Servicing Company engaged in the business of Well Construction, Welding Fabrication and Machining, Process Automation and Conductor Casing & OCTG Manufacturing across sub Saharan Africa. Formed in 2011 as a result of a merger between Africa Oilfield Services (AOS) and Orwell International Limited, the company has grown her capacity to offering numerous products and services. With the advent of the Nigerian Content initiative, AOSO has recorded unrivalled local content success by being the first Nigerian company to locally assembly PDC drill bits in 2010, establish the first Fishing training school in 2010; open the first HE/NOV drilling jar certified service shop in 2011; own the largest indigenous conductor casing and welding fabrication shop in 2012; build the first instrumentation cabinet assembly plant in 2013; launched her Valve repair and maintenance center in 2014 and first metering skid facility in 2015. AOSO is ISO 9001 certified by the British Standard International. This was first achieved in 1997 thus making the company committed to high quality and safe operational practices for over 16 years.

AOSO has built on this experience and now is the partner of choice for numerous OEMs such as Emerson, NOV, Tercel, FMC, Enventure, SDI, DSI-PBL, Hoerbiger, Det-Tronics, 3P Services, Metal One, Oil States International, Wetserton, Larsen & Toubro and EATON. This product line diversity has enabled AOSO to compete with the biggest internationals. Ultimately the company objective is to understand, to deliver and to exceed expectations of all clients.

The strength of the company resides in the strong management and enthusiastic personnel in place thus the company is primed to continue to partner with operators in the industry.

With on-ground operations in Port Harcourt, Onne, Lagos, Accra and Takoradi numerous product and service offering, we are always proud to say

...Proudly Indigenous, Delivering World Class Solutions

YP Section Report – Section 103 Port-Harcourt

The Young Professionals of Port-Harcourt Section started the 2018/2019 board year with an aim to develop competent energy professionals in readiness to take on the current and future challenges of the oil & gas industry. We started out with 3 broad ambitions:

- **Technical Development of Young Professionals across Own Disciplines** – We sought to build highly competent energy professionals that are vast and knowledgeable beyond their own immediate field of expertise. Beyond technical development, the group also strove to develop soft skills and build relevant networks.
- **Fostering a Socially Responsible Group:** Through our charity project, we sought to meet the needs of the less privileged in our community. Also, through the Ambassador Lecture Programs, we reached out to students in universities and secondary schools to encourage the learning of STEM and get them motivated to be a part of the oil & gas industry.
- **Development of a Closely Knitted Community:** By staying in touch with all members of the YP community through recognition of birthdays, anniversaries and regular meetings/social events, we aimed to unwind and increase membership.

The activities carried out in the board year are outlined below:

A. TECHNICAL/PROFESSIONAL DEVELOPMENT

1. **Young Professionals Annual Technical Symposium:** The flagship YP Annual Symposium held on the 18th of May 2019 with the Theme: **“Emerging Technologies- Equipping the Young Professionals for Global Demand”**. The event was aimed at discussing emerging technologies that are changing the way Energy is delivered with a view to prepare YPs towards acquiring requisite skills.

The Keynote Speaker Mr. Olusola Amusah (Seasoned speaker on Technology Advancement and Founder/CEO Coven Works) spoke extensively on the projections for artificial intelligence in the coming years while Mr. James Omeke (Senior Reservoir Engineer with New Cross E&P) delivered a speech on Keeping up with the Future of Cognitive Technologies in the Oil & Gas Industry. The event also had syndicate sessions which gave an opportunity for the YPs to proffer solution to some of the issues in the oil & gas industry.

The event was sponsored by Shell Petroleum Development Company (SPDC) and Livingstone Group of Companies. A total of N950,000 was spent to deliver the YP symposium with about 150 YPs in attendance.

2. **Technical Lectures:** The Technical Lecture series provided in-depth discussion on various subject areas in Petroleum Engineering, to give the YPs an edge in the industry and provide knowledge in areas outside their core areas of specialization. The following technical lectures were held during the board year:

Date	Lecture Title	Lecturer
27th October 2018	Geophysics - Seismic Acquisition and Processing	Mr. Phillip Ajaebili (Geophysicist at SPDC)
27th November 2018	Drilling and Completions Engineering - Fundamentals, Industry Trends and Technologies	Mr. Chiedozie Okonkwo (Drilling Engineer at NAOOC)
27th April 2018	Programming Essentials for the Oil and Gas Professional (including Python Live Coding Session)	Mr. Karl Nwala (Reservoir Engineer & Software Developer at Cypher Crescent)

B. SOFT SKILLS DEVELOPMENT

1. **YP/Senior Members Meet and Greet:** The maiden edition of the YP/Senior Members Meet and Greet held on the 1st of February 2019 at the Hotel Presidential Port-Harcourt with over 50 YPs in attendance. Senior members included the Nigerian Council BOT Chairman - Engr Andrew Olotu and Council Chair, SPE Nigerian Council – Mr Debo Fagbami among a host of section directors and board members. The event provided an avenue for networking, mentorship and learning on career experiences for the YPs.
2. **Career Gist:** To leverage on the experience of senior members, a career talk was held on the 29th of November 2018. The resource person, Mr. Nkese Essien, Reservoir Engineer at TEPNG gave insight into common challenges in the workplace such as setting goals in your career, managing difficult bosses, managing harassment and dealing with expectations.

C. AMBASSADOR LECTURE PROGRAMS (ALP)/ENERGY 4 ME

The ALPs were a means of sharing the career experience of YPs and motivating the next generation of energy professionals.

The YPs of Section 103 conducted a total of 53 ALPs (25 in University Chapters and 28 in secondary schools) and 4 Energy4me lectures. The ALPs/E4Me reached over 1000 corps members, 400 university students and 500 secondary school students

D. MEMBERSHIP DRIVE

1. **Visit to NYSC Orientation Camp, Rivers State:** The YPs of SPE Section 103 Port-Harcourt embarked on a visit to the orientation camp of NYSC in Tai LGA OF Rivers State on the 3rd of November 2018. The objectives of the visit were to carry out a membership drive and provide membership forms and guidance to corps members and conduct Ambassador Lecture Programs, sharing YP career experiences with the corps members.

A team of 10 young professionals visited the camp and were received by the Head of Lectures, Mrs. Agulue Okoye and other camp officials. About 1000 corps members listened to the presentation by the SPE members who also shared their career experience
2. **Lunch and Learn Visits:** Also, as part of the membership drive, the YPs were part of section members who visited Belema Oil Producing Limited on the 15th of January 2019 and Afrac Limited on the 12th Of April 2019. Staff were introduced to SPE and its membership benefits. A total of 10YPs completed membership forms.

E. CHARITY ACTIVITIES

1. **Charity Project for The Special School for Handicapped Children Port-Harcourt:** The YPs identified a dire need for the Special School for Handicapped Children Port-Harcourt. This was a need to improve the security and safety of students, accessibility to the school, sanitation of school environment and provision of educational materials. We therefore set out on a project to provide the following for the school: (i) Install a new school gate (ii) Construct a chamber for water outlet/drainage (iii) Provide signpost for the school (iv) Provide educational materials. Funds were raised through donations by members of the section to a total sum of N945,000 (Nine Hundred and Forty-Five Thousand Naira)

Execution of this project enabled the YPs to build on their project management skills. The team made a call for vendors to bid on the project. Vendors were selected based on their cost, quality of work to be done and timeliness of completion. YPs also supervised the execution of the work. The completed project was well received by the school with the principal, teachers and students commending SPE for the initiative.

2. **Donation of Medical Supplies to NYSC Orientation Camp, Rivers State:** During the visit to the

orientation camp of NYSC in Tai LGA OF Rivers State on the 3rd of November 2018, a donation of medical supplies was made to the camp clinic as an SPE Cares initiative. This was after discussions with the camp officials where this was identified as a need.

F. SOCIAL EVENTS

1. **Barbecue Night:** The end of year social event for the young professionals of SPE Section 103 Port-Harcourt held on 8th December 2018 at the SPE Council House Trans-Amadi Port-Harcourt. The outdoor barbecue event provided an opportunity for networking among young professionals and senior members in a relaxed atmosphere.

It was well attended by about 100 young professionals. Senior members including Nigerian Council Chair Mr. Debo Fagbami, Section chair of Port-Harcourt Section, Mr. Erasmus Nnnana with other members of the board were also in attendance.

The event was supported by SeaQuest Exploration and Production Services Limited

2. **YP Symposium Post-Event Cocktail:** The SPE section 103 YP After Symposium Cocktail event held at the Genesis Skybar with about 100 persons in attendance. The Section Director, Etta Agbor graced the event and encouraged YPs to take advantage of the events to grow their network in the industry.

The young professionals of Section 103 had a successful board year, with most of the activities planned at the beginning of the year achieved. YPs gained exposures to the trends in the oil & gas industry and acquired requisite skills. About 100 new members were added to the section. The group will continue to build on its achievements with a desire to become the best YP section globally.

Eelah Muzan

YP Chairman, Section 103 Port-Harcourt.



Nigeria LNG Limited was incorporated as a limited liability company on May 17, 1989 to harness Nigeria's vast natural gas resources and produce Liquefied Natural Gas (LNG) and Natural Gas Liquids (NGLs) for export.

The establishment of NLNG is backed by the NLNG Act.

The company is owned by four shareholders, namely, the Federal Government of Nigeria, represented by Nigerian National Petroleum Corporation (49%); Shell (25.6%); Total Gaz Electricite Holdings France (15%) and Eni (10.4%).

It has wholly-owned subsidiaries: Bonny Gas Transport (BGT) Limited and NLNG Ship Management Limited (NSML).

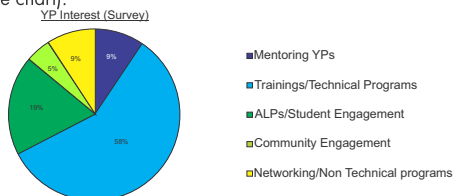
With six trains currently operational, NLNG's plant, on Bonny Island in Rivers State, is capable of producing 22 Million Tonnes Per Annum (MTPA) of LNG, and 5 MTPA of NGLs (LPG and Condensate) from 3.5 Billion (standard) cubic feet per day (Bcf/d) of natural gas intake. NLNG's near term expansion plans include construction of a seventh train to complement the existing six train structure, which when in operation will up the company's total production capacity to 30 million tonnes per annum (MTPA) of LNG.

As the arrowhead of Nigeria's efforts to eliminate gas flaring, NLNG's operations have helped reduced Nigeria's Flaring Profile from 65% to below 25%. The company also supplies about 40% of the annual domestic LPG (Cooking Gas) consumption.

In all its business and social activities, NLNG's driving force remains its vision to help in building a better Nigeria.

YP Section Report – Section 61 Lagos

The Young Professionals (YPs) in Lagos Section had a very engaging and rewarding year. At the start of the board year, a survey was sent to YPs to solicit feedback and help articulate the goals for the upcoming year (survey results shown below in the pie chart).



Based on the survey results, we came up with the YP goals for the Board year, some of which are:

- Consolidate on achievements of prior year
- Organize events to develop the technical and non-technical skills of YPs
- Create a broad platform for collaboration among YPs
- Increase YP membership by 10% through active reach out to companies and engagement of new graduates and unemployed YPs

In order to achieve these goals, volunteer committees were set up in September 2018 with the primary aim of designing a strategy to execute the YP programs. The committees included Technical, ALP/Energy4Me and Students/Community Development.

Key Accomplishments

1. Technical Events

YP Project on Artificial Intelligence / Machine Learning: A group of YPs volunteered to execute a project on “*Production Optimization / Opportunity Generation – A Deep Learning Approach*” in line with the theme of the NAICE conference. The project builds a tool that utilizes reservoir and well data to identify underperforming wells based on historical well performance / trends, heterogeneity index etc. with the goal of being a screening tool to high grade opportunities and provide cost effective solutions to the client.

Excel café: A third edition of Excel Training tagged “**Excel café**” held on **29th September 2018**. The Excel café was organized to help young professionals build competence in Microsoft Excel and demonstrate its applications in the oil and gas industry. This training was delivered free of charge to participants.

Python Training: To further develop the goal of capacity building among YPs, a 1-day python programming training was conducted on the **16th of March 2019**. The training was designed to help YPs build the skills required to add value in the digital workspace and apply the training in solving basic real-life problems. This training was delivered free of charge to participants.

Petrel Training (Schlumberger): On **28th March 2019**, the YP team collaborated with Schlumberger to organize a hands-on training on Petrel software (a major software used in the oil and gas industry). The workshop gave practicing and non-practicing Reservoir Engineering YPs an understanding of how models are built and an opportunity to implement workflows on Petrel using actual field dataset at the Schlumberger training facility.

A Day in the Life of An Engineer

Yps and board members participated in the Catch-Them-Young (CTY) program at Vivian Fowler College on 26th January 2019. The event featured presentations and discussions by select YPs covering Reservoir Engineering, Geoscience, Drilling & Completions Engineering, Production Engineering etc.

Yps participated actively and provided support for other Lagos Section activities, which includes but not limited to Gas Utilization Symposium, Distinguished lectures and technical lectures.

2. Non-Technical Events

Two (2) non-technical sessions on “15 Invaluable Laws of Growth” and “Creating your own Opportunities” were conducted on the **30th of March 2019** and **25th of May 2019** respectively. YPs were enlightened on the various career choices they can venture into in the industry, soft skills and strategies that can keep them ahead in their daily lives / career and advised on potential entrepreneurial and consultancy opportunities within and outside the oil and gas industry.

3. ALP and Energy4me

We conducted a total of **22 ALPs** (5 in University Chapters and 17 in secondary schools) and **6 Energy4me** lectures in secondary schools with the aim of helping students and teachers see the value of Engineering and the Oil & Gas Industry. The ALP sessions were well received with positive feedbacks and reached over **1000** university students and **2000** secondary school students.

4. Social / Networking Events

Vision Board Party: This held on **2nd March 2019** at Schlumberger facility and featured a HR presentation educating YPs on “Preparing for an Interview”, Building individual vision (goals) for the year etc. The concept of vision board event was to make YPs set their goals for the year and lay out concrete steps to achieving those goals. It was lots of fun and very engaging.

Walk / Run for the Less Privilege: YPs turned out en-masse for the walk 7km walk and run for the less privilege that took place on **4th May 2019**. About **N1.3 million** was raised from the walk / run and the funds raised were used to sponsor over fifty (50) orphans at Ken-Ade Private School in Makoko, Lagos.

Excursion: YPs attended an excursion to **LADOL** on the **26th of April 2019**. The excursion included a facility tour where participants were shown the complex oil and gas building projects that the company was working on and some details on the work, they did to support the Egina project.

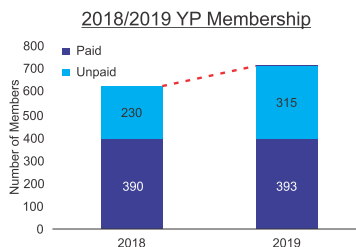
End of Year Event: The YPs organized an End-of-Year get-together for the Lagos Section at Barracuda Beach in December 2018. The event provided a means for YPs to relax, network and build connections. There were lots of fun activities and competitions ranging from dancing, sack race, word play etc.

5. YP Membership

A team was set up to drive YP membership in August 2018 by assisting new graduates and unemployed YPs to join and renew their SPE membership as well as leverage companies with bulk dues payment. Through the concerted efforts, YP membership increased from 620 to 708 members (~15% increase).

Chimere Alim

YP Chairman, Section 61 Lagos, 2019.



Meet the 2019 YP Program Planning Committee



OLUWABIYI AWOTIKU
CHEVRON
SECTION 61
CHAIR SPENC YPPC 2019

Oluwabiyi "Biyi" Awotiku is a Petroleum Engineer with Chevron Nigeria Limited. Since joining Chevron in 2011, he has worked Offshore and Deepwater Assets. Biyi has a bachelor's degree in Chemical Engineering from the Ahmadu Bello University, Zaria (2008) and a master's degree in Petroleum Engineering from African University of Science and Technology, Abuja in 2011. He is currently an Executive MBA student at Lagos Business School.

He was previously the Students Affairs and Young Professionals Chair and currently the Membership Chair for Lagos Section 061. He is currently serving as Adviser for the 2019 NAICE Students Program Committee and a Chair of the 2019 NAICE Young Professionals Planning Committee. He has participated actively in SPE flagship events such as Ambassador Lecture Program and Energy4me. He is a recipient of SPE Young Member Outstanding Service Award, African Region, 2018 and SPE Young Member Outstanding Service Award International, 2019

He is happily married. In his free time, he loves to watch football, play 8-ball and table tennis.

Eelah Muzan is a Production Technologist with Shell Petroleum Development Company of Nigeria (SPDC). Since joining SPDC in 2014, she has worked in the Subsurface Team on well & completion design, production optimization and as a field engineer in completion operations, workovers and well testing.

Eelah holds a B.Eng. in Chemical Engineering from UCSI University, Malaysia. She joined SPE as a student member and transitioned into a professional member with Section 103 where she has actively volunteered in several activities including Ambassador Lecture Programs, Energy4Me, Charity Drive and most recently, led the planning committee for the Annual S103 YP Symposium.

Eelah is passionate about education and learning and loves to mentor younger people. She is married.



EELAH MUZAN
SHELL
SECTION 103
CO-CHAIR SPENC YPPC 2019



ESTHER UMEH
SHELL
SECTION 103
MEMBER SPENC YPPC 2019

Esther Umeh is a Reservoir Engineer at Shell Petroleum Development Company (SPDC), involved in reservoir simulation, reserves estimation, and forecasting.

She was previously a strategy analyst at Accenture. She has been a member of SPE since 2008 and is currently a volunteer content creator for The Way Ahead, SPE's global YP publication.

She is ex-officio on the board of the Port Harcourt Section and current volunteer in different capacities in the Section. She holds a B.Sc. in Petroleum and Gas engineering from the University of Lagos.

Christopher Onyekachi Eberebe holds a Bachelors' degree in Industrial Chemistry from Abia State University and a Master's in Energy and Petroleum Economics from Delta State University.

He has over twelve years work experience covering Refinery Operations, Production Programming/ Quality Control, Business Performance Management, Strategic Planning and Process Improvement etc. He is currently the Technical Assistant (Refining) to the Group Managing Director of NNPC.

Chris Eberebe is an Accredited Management Trainer (AMT) from the Nigerian Council for Management Development (NCMD). Through the Commercial Leadership Academy (CLA), he has facilitated various Leadership and Management capacity building workshops for Senior Officers in the Oil and Gas Industry.

Ever since he joined SPE in 2014, he has not looked back, giving his all towards the development of the Society.

Chris is not just a passionate football analyst; he is also a veteran in the game. Chris is a three-time soccer gold medalist at the Nigerian Oil and Gas Industry Games. He is happily married and blessed with three children.



CHRISTOPHER EBEBE
NNPC
SECTION 199
MEMBER SPENC YPPC 2019



SHEHU S. ABUBAKAR
PTI
SECTION 104
MEMBER SPENC YPPC 2019

Saifullahi Shehu Abubakar is a graduate of Federal University of Petroleum (FUPRE) with B-Eng. In Petroleum and Natural Gas engineering and HND in petroleum engineering from Petroleum Training Institute (PTI). He works with Petroleum Training Institutes PTI as practical instructor (to both students and oil company staffs that come for training) on surface production, valves and pump service, wellhead maintenance, Well testing, Flow station practice and well completion process.

He joined SPE in 2004 as student member in Petroleum Training Institutes and continue as young professional with his section after graduation. He is an active and dedicated member of SPE and serves in several capacities. He participated actively in all the young professional activities, students and section activities as well.

Debra Ihegboro was born on September 13. She hails from Nwangele LGA of Imo state.

Debra attended University secondary school Enugu campus for her secondary education. She furthered her education at Enugu state University of Science and Technology and graduated in 2008 with B.Eng. in Chemical Engineering.

Debra started her work experience in 2010 as planning Engineer at National Engineering technology company, Lagos state.

In 2016, she joined Nigerian Petroleum Development Company as Planning Engineer.

In 2016, she became a young professional member of SPE section 116 and in 2018 she received the YP ALP performance award.



DEBRA IHEGBORO
NPDC
SECTION 116
MEMBER SPENC YPPC 2019



MISTURA BADRU
MisstyB
SECTION 61
MEMBER SPENC YPPC 2019

Mistura Badru is the CEO, MisstyB's Glamorous Touch, a natural beauty-oriented business. She is a graduate of Chemical and Polymer Engineering from Lagos State University and a volunteer for various professional bodies.

Mistura joined SPE in 2013 as a student member with an officer role in 2014 and 2015. She is currently the Ambassador Lecturer Program (ALP) Coordinator for the Society of Petroleum Engineers Lagos Section, her activeness in the Society earned her the award as one of the Young Professionals of the year in 2017 and this has made her sought after in SPE Nigerian Council and SPE International.

Her love for education made her start a foundation of her own "MisstyB's Foundation" where academic excellence is rewarded in Government owned Secondary Schools in Ibadan.

She is a creative director who loves sports, having fun, volunteering, putting smiles on people's faces, and traveling.

Engr. Ifeanyi Hilary Ndukwe (MNSE) was born on June 3, 1986 and hails from Afikpo-North Local Government Area of Ebonyi State.

Ifeanyi attended Command Day Secondary School, Ikeja, Lagos state and furthered his education at the University of Nigeria, Nsukka where he obtained a B.Eng in Mechanical Engineering.

Ifeanyi started his work experience in 2010 as a Pipeline Engineer at DeltaAfrik Engineering Ltd, Lagos state. He was awarded "Employee-of-the-month" in September 2011, for his exceptional performance on deep-water offshore pipeline installations.

In 2012, he was employed by the Nigerian National Petroleum Corporation (NNPC) and deployed to Nigerian Petroleum Development Company Ltd, as a Mechanical Engineer.

In 2014, He became a Young-Professional member of SPE section 116 and in 2018; he obtained the YP-ALP Performance Award, ATS-Service Award and YP-Award of Excellence for his selfless contribution.

He loves spoken word poetry, travelling, numbers and hip-hop/neo-soul music.



IFEANYI HILARY NDUKWE
NPDC
SECTION 116
MEMBER SPENC YPPC 2019

Chimere Alim is the Young Professional Chair for the Lagos Section and has over 7 years of experience in the upstream sector of the oil industry. He has worked in different roles including Reservoir Surveillance, Well Integrity and providing Subsurface support for various ExxonMobil Nigeria Assets.

Chimere holds a BSc. degree in Petroleum Engineering from the Federal University of Technology Owerri (FUTO) and an MSc in Petroleum Engineering from Heriot-Watt University UK. He is an active member of the Society of Petroleum Engineers.

Chimere has a passion for mentorship and development of the younger generation and is actively involved in several Students and Young Professionals programs within the Society of Petroleum Engineers and currently serves as co-chair to the Students program. In his spare time, he actively engages in music, sports and travelling.



CHIMERE ALIM
EXXONMOBIL
SECTION 61
MEMBER SPENC YPPC 2019

Sanusi Oluwabunmi M. is a graduate engineer with passion for creativity. She is very outspoken and persevering.

Bunmi graduated from African University of Science with M.Sc. Petroleum Engineering earned from research work on optimizing Reservoir performance. She completed her undergraduate degree in University of Ibadan with B.Sc. Industrial and Production Engineering.

Bunmi has acquired other related skills towards optimizing engineering systems for enhanced productivity.

She is an active volunteer of SPE and a member of Young Professional committee. She is currently working with FBN. She is interested in youth empowerment and development.

She loves watching movies, listening to music, and travelling.



SANUSI OLUWABUNMI M.
FBN
SECTION 199
MEMBER SPENC YPPC 2019



RITA ESURU OKOROAFOR
STANFORD
ADVISER SPENC YPPC 2019

Rita Esuru Okoroafor is a PhD Candidate at Stanford University. Prior to embarking on studies, she was a Principal Reservoir Engineer with Schlumberger. She holds a B.Eng in Petroleum Engineering from the University of Port Harcourt, and an M.Sc in Petroleum Engineering & Project Development from the Institute of Petroleum Studies, PH, Nigeria. She has had over 12 years working experience with Schlumberger.

Rita has been the Co-Chair to the SPE International Women in Energy Committee, the SPE Nigeria Council Panel Session and Young Professionals Committee Chairperson, and Technical Papers Committee Co-Chair just to mention a few. Rita was an editor for The Way Ahead (TWA) from 2006 to 2015, leading the Forum Section and Softskills sections during her tenure with TWA.

She is a recipient of the Regional Young Member Outstanding Service Award 2014, African Region. She also received the International Young Member Outstanding Service Award (2016) and Regional Reservoir Description and

Dynamics Award (2017), African Region.

Outside of SPE, Rita loves writing. She is an author of two novels, authored several technical papers, has one granted patent and one pending patent. She is married with children.

Francis Nnanna Oko (PMP, MNSE), has B.Eng. Petroleum Engineering, (FUTO) and Msc. Reservoir Engineering and Hydrodynamics (ENSG, France). He is an IFP certified Reservoir Engineer. He works with NPDC as P.Tech/Reservoir Engineer and currently leads the Well Intervention team of the Uzere East Field re-entry project.

Francis has served SPE Benin and Nigeria in various roles including twice as YPPC Chairman. He is currently the Co-Chair NAICE 2019 Sponsorship Committee. He featured on the spotlight for young professionals in the February 2017 edition of the SPEi "The Way Ahead" Magazine. He is an SPE alumnus of the Emerging Leaders Alliance Conference, a recipient of the African Region Young Member Outstanding Service Award, 2017 and winner, SPE Young Member Outstanding Service Award International, 2018.

Francis enjoys writing. He contributes scripts for the popular TV soap opera, "Crack in the Wall". He speaks both French and English languages fluently. He is married with a child.



FRANCIS NNANNA OKO
NPDC
SECTION 116
ADVISER SPENC YPPC 2019



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