

NAICE 2023 Technical Papers Presentation Schedule

Venue: Technical Session Rooms, Eko Signatures, Eko Hotel & Suites, Victoria Island, Lagos, Nigeria

Presentation Schedule Day 1

Date: Tuesday, 1st August 2023		Venue: ASIA ROOM	
Session: TS 1 – Deep Water Development & Operations - 1		Duration: 8:30am–10:00am	
Chairpersons: FRANCIS NWAOCHEI (Chevron); JUSTUS NGEREBARA ADUMU (SNEPCO)		Facilitators: VIRTUE URUNWO WACHIKWU - ELECHI (SAAPC)	
SPE Paper No.	Paper Title	Author(s) and Affiliation	
SPE-217102-MS	The Bonga Deepwater Project Mid-life Abandonment Campaign – A Success Story	Osehøjie Ojeh-Oziegbe (Shell Nigeria Exploration & Production Company)*; Augustine Okosun (Shell PLC); Oluwatobi Ugoh (Shell PLC); Oladokun Adubi (Shell PLC); Elesie O Ezenwanna (Shell Nigeria Exploration and Production Company (SNEPCo)); TIMIPERE D JENAKUMO (SHELL NIGERIA EXPLORATION AND PRODUCTION CO)	
SPE-217200-MS	Implementation of One-Trip Acid-Jetting Solution in Bonga field for Shell Nigeria (SNEPCO)	Justus A Ngerbarara (Shell)*; Jombo Onuoha (Baker Hughes); Jesse Gerber (Baker Hughes); Olusiji Alawode (Shell); Ismail Hamzat (Shell); Seyi Olaobaju (Baker Hughes); Colin Andrew (Baker Hughes); Omar Espinoza (Baker Hughes)	
SPE-217230-MS	Application of Subsurface Scenario Based Analysis in Development Projects: A Case Study from a Deepwater Field, Offshore Nigeria	Uchenna Ndianefo (ExxonMobil)*; Ngozi Amadi (ExxonMobil); George Okonkwo (ExxonMobil); Samuel Onoko (ExxonMobil); Isikem Imasuen (ExxonMobil)	
SPE-217222-MS	Lessons learnt on the transformation of a deepwater projects' organization for stellar performance	Adetoun Mustapha (Shell Nigeria Exploration & Production Company Ltd)*; Daniel Amuda (Shell Nigeria Exploration & Production Company); Diepreye Anyankpele (Shell Nigeria Exploration & Production Company); Olusayo Ajayi (Shell Nigeria Exploration & Production Company); Babafemi Otubanjo (Shell Nigeria Exploration & Production Company)	
SPE-217475-MS	Managing Hydrocarbons State to Address Demand, Necessity and Profitability	KENECHUKWU OBIAJULU NWANKWO (CHEVRON NIGERIA LIMITED)*	
Date: Tuesday, 1st August 2023		Venue: AFRICA ROOM	
Session: TS 2 – Reservoir Fluids /PVT Characterization		Duration: 8:30am–10:00am	
Chairpersons: Chukwuemeka Nwaokorie (SPDC); CHIMA EMELLE (SPDC)		Facilitators: OLUCHUKWU MICHAEL OKOH (NEPL)	
SPE Paper No.	Paper Title	Author(s) and Affiliation	
SPE-217147-MS	DETERMINATION OF MINIMUM MISCIBILITY PRESSURE BETWEEN HEAVY OIL – SUPERCRITICAL CARBON DIOXIDE SYSTEM USING THE SLIM TUBE METHOD	Chidinma Uzoho (Laser Engineering and Resources Consultants Limited)*; Ijere Okorafor (LASER ENGINEERING AND RESOURCES CONSULTANTS LIMITED); Daniel Olumo (LASER ENGINEERING AND RESOURCES CONSULTANTS LIMITED); Ngozi Achilike (LASER ENGINEERING AND RESOURCES CONSULTANTS LIMITED); Olusegun Adesina (LASER ENGINEERING AND RESOURCES CONSULTANTS LIMITED); Mike O. Omyekonwu (Laser Engineering & Resources Consultants Ltd.)	
SPE-217239-MS	Phase Behavior of a Near-Critical Gas Condensate Reservoir Fluid from a Conventional Field in the Niger-Delta Region	BELLA MMATA (LASER ENGINEERING AND RESOURCES CONSULTANTS LIMITED)*; Legborsí Kinée (LASER ENGINEERING AND RESOURCES CONSULTANTS LIMITED); Hillary Okeke (LASER ENGINEERING AND RESOURCES CONSULTANTS LIMITED); Mike Omyekonwu (Department of Petroleum Engineering, University of Port Harcourt)	
SPE-217116-MS	Modeling Two Phase Flow in Vertical And Deviated Wellbores Using Machine Learning Method	Rida Mo Elgaddafi (Australian University)*; Ahmed Ramadan (The University of Oklahoma); Saeed Salehi (University of Oklahoma); Mordadha Ababa (Australian University); Biltayib Biltayib (Australian University); Chinaza Collins Ikeokwu, (NA); Kingsley W Amadi (Australian University)	
SPE-217190-MS	Modeling the Oil Viscosity of Nigerian Crudes using Machine Learning	Yisa Adeeye (Asharami Energy)*; Anuola Osinaike (Asharami Energy)	
SPE-217235-MS	In-House Software Development for Viscosity Computation	BELLA MMATA (LASER ENGINEERING AND RESOURCES CONSULTANTS LIMITED)*; Joseph Lukpata (Laser Engineering); Mike Omyekonwu (Department of Petroleum Engineering, University of Port Harcourt)	
Date: Tuesday, 1st August 2023		Venue: AUSTRALIA ROOM	
Session: TS 3 – Reservoir Engineering & Surveillance - 1		Duration: 8:30am–10:00am	
Chairpersons: PETER O OBIKIKE (SPDC)		Facilitators: ENGR. OLADELE BUKI (NCDMB)	
SPE Paper No.	Paper Title	Author(s) and Affiliation	
SPE-217092-MS	Drainage Strategy Optimization Using Machine Learning Methods	Diullel M. Gomes (Noroff University College); Isah A Lawal (Noroff University College)*	
SPE-217260-MS	Sensitivity analysis and history matching of a gas condensate reservoir, a field case study of Niger Delta Gas condensate reservoir.	Idahosa Osahon ehabor (Schneider and Schroeder)*	
SPE-217233-MS	Reservoir Modelling of Multizone Completions in Brown Field Excellence Workover Wells	Engr. Dr. Ikwan N.J. Ukaoku (Heirs Holdings Oil and Gas Ltd)*; ISIDORE IC AZUGWU (Heirs Holdings Oil and Gas Ltd); Ndulukwe Agwu (Heirs Holdings Oil and Gas Ltd); Chibuzo Iwegbu (Heirs Holdings Oil and Gas Ltd); Avu Albert (Heirs Holdings Oil and Gas Ltd); Eta Edrinh (Heirs Holdings Oil and Gas Ltd)	
SPE-217241-MS	Carbon Oxygen (C/O) logging speed optimization in Niger Delta Field with Improved Pulsed Neutron Technology	Plus Akagbosu (BAKER HUGHES); Yongwhae Kim (Baker Hughes); Roberto Nardiello (BAKERHUGHES); David Chace (BAKER HUGHES); Ian McGlynn (BAKERHUGHES); Otumide Lawal (Chevron Nigeria Limited); Emmanuel Toumelin (Chevron Nigeria Limited); Akomone Daniel Oyege (Chevron Nigeria Limited); Chukwuma Atuanya (Chevron Nigeria Limited); Plus A Imorgiemeh (Bakerhughes)*	
SPE-217151-MS	Investigation of Suitable Slug Models for Polymer Alternating Gas Deployment (Niger Delta Case Study)	Linda Nkechi Denmar (SPDC)*	
SPE-217477-MS	Reservoir Management of Gas Condensate Fields: Case Studies from the Niger Delta	Adeboye K Adeyinka (Chevron)*; Obor Eruvbetine (Chevron Nigeria Limited); Adagogo J Jaja (Chevron); Adeniyi Aladesulu (Chevron Nigeria Limited); Uchenna Udeh (Chevron Nigeria Limited); Joseph Olayomi (Chevron Nigeria Limited)	

Technical Sessions DAY 1 (1st Aug) MORNING SESSION

Date: Tuesday, 1st August 2023		Venue: EUROPE ROOM
Session: TS 4 – Reservoir Description & Dynamics		Duration: 8:30am– 10:00am
Chairpersons: Cajetan ONU (TotalEnergies); BASIL OYAKHIRE, OYAKHIRE (Oando)		Facilitators: ADAMU IBRAHIM UMAR (NEPL)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217096-MS	Experimental Investigation to test rough fracture morphology of Longmaxi formation using Wood alloy casting method (WACM) and 3D laser scan	ABDULMUMIN O ALIU (SICHUAN UNIVERSITY)*; GUO XINHAO (Engineering Technology Research Institute, Southwest Oil and Gas Field Branch, CNPC, Guanghan, China); GUO JIANCHUN (State key lab, Southwest Petroleum University, Xindu, Chengdu, 610500, Chengdu, China.); Xie Lingzhi (SICHUAN UNIVERSITY)
SPE-217211-MS	Reservoir Shear Failure Analysis: A Produced Water Disposal Case Study	Imonite J Imorame (Shell Petroleum Development Company Ltd)*; Femi Obakhena (SPDC); Olakunle Olusegun Iyowa (Shell Petroleum Development Company); Olubunmi O Arogun (Shell); Sunday Maxwell-Angbaduba (Shell Petroleum Development Company)(SPDC); Okiemute Amuboh (SPDC)
SPE-217206-MS	Geomechanical Risks Screening of Producing Fields – Key Contribution to Safety Standards	Olubunmi O Arogun (Shell)*; Peter Schutjens (Shell); Chinedu Anijekwu (Shell)
SPE-217135-MS	Net-To-Gross Uncertainty Impact in Field Development Planning: A Deltaic Reservoir Example	Tekena Manuel (Shell)*; Chike Nwonodi (Shell, Nigeria); Elias Arochukwu (Shell Petroleum Development Company)
SPE-217158-MS	USING MACHINE LEARNING TO PREDICT PERMEABILITY FROM WELL LOGS: A COMPARATIVE STUDY OF DIFFERENT MODELS.	Nicholas Watson Asimiea (Nigeria Agip Oil Company)*; Emmanuella N Ebere (University of Port Harcourt)
Date: Tuesday, 1st August 2023		Venue: AMERICA ROOM
Session: TS 5 – Asset Management and Information - 1		Duration: 8:30am– 10:00am
Chairpersons: Opeyemi Oluwalade (Sahara); Mike IWGBU (TotalEnergies)		Facilitators: OLAYINKA ABIKOYE (SRBL)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217104-MS	Volume to Value Integrated Analysis for New Opportunities. A Case Study	Chukwuemeka P nwaokorie (Shell Petroleum Development Company)*
SPE-217125-MS	Techniques for investment decision making for oil and gas assets	PETER O OBIDIKE (University of PortHarcourt World Bank Africa Centre of Excellence Centre for Oilfield Chemicals Research and Shell Petroleum Development Company)*; Adaobi S Nwosi-Anele (Rivers State University)
SPE-217133-MS	OVERCOMING NON-TECHNICAL CHALLENGES INVOLVED IN WELL ABANDONMENT – A CASE STUDY OF A FIELD IN THE NIGER DELTA	ngozl okonkwo (spdc)*; George Agbogu (SPDC); babajide olowu (spdc); Arthur Bougha (SPDC); Onyime Reginald Ugwuadu (Shell Petroleum Development Company of Nigeria)
SPE-217154-MS	Decommissioning and Abandonment of Oil and Gas Assets – A case for coexisting with Mother Nature	Stanley C Akanegbu (Shell Petroleum Development Company of Nigeria Ltd)*; ngozi okonkwo (spdc); George Agbogu (SPDC); Erasmus Nnanna (SPDC); olusola imoyo (shell petroleum development company)
SPE-217144-MS	Agile Adoption Enhances Cross-Functional Assessment of Idle Wellbore Restoration Project	Phillip Adegboye (Chevron)*; Ekene Onyekwena (Chevron); Tolu Kuku (Chevron)
Date: Tuesday, 1st August 2023		Venue: ANTARCTICA ROOM
Session: TS 6 – Production Optimization & Operations - 1		Duration: 8:30am– 10:00am
Chairpersons: ENGR. (DR.) GEORGE PAPAMIE S. IWO (Pegis Global Services); ERASMUS NNANNA (SPDC)		Facilitators: CHARLES OLISEMEKA UWAGWU (Waltersmith)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217203-MS	USING ARTIFICIAL NEURAL NETWORK TO PREDICT GAS FLARE VOLUME, GAS COMPOSITION, AND FLARE TEMPERATURE FROM GASEOUS EMISSION	Adewale Dosunmu (University of PortHarcourt); Osemanre O Omion (Emerald Energy Institute, University of PortHarcourt, Choba, Rivers State)*
SPE-217119-MS	Determination of Non-Darcy Flow Coefficient and Completion Skin From Multi-rate Test Data With a Decreasing Effective Skin	Merit P. Ekerembe (NEPL)*
SPE-217101-MS	A Quantitative Analysis of the Impact of Well and Reservoir Parameter on Pseudo-Skin Due to Partial Penetration	Endurance Egbe (University of Port Harcourt); Adango Hart (CypherCrescent Nigeria Limited); Oluwasegun C Omobolanle (CypherCrescent Nigeria Limited)*
SPE-217252-MS	Chemical Descaling to restore full wellbore access and increase hydrocarbon production: Use of 10% Hydrochloric acid system and customized downhole bottom hole assembly to remove scales on the tubing walls	Arthur Bougha (SPDC)*; Godian Ndukauba (Halliburton); Chinyere Iwuh (baker); Temitope Alalade (SPDC); Ricky Iyengunwena (SPDC); Rahman Abudu (Halliburton)
SPE-217108-MS	Remedial Sand Control Using Chemical Sand Consolidation: A Field Experience	STEVE ADETOYE BABAGBEMI (Baker Hughes)*; STEPHEN BABAGBEMI (Baker Hughes); Samuel S Mofunlewi (Baker Hughes, a GE Company)
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Technical Sessions DAY 1 (1st Aug) MORNING SESSION

Date: Tuesday, 1st August 2023		Venue: ANTARCTICA ROOM
Session: TS 7 – Recovery Mechanism & Processes		Duration: 2:00pm – 4:00pm
Chairpersons: KEJIAN WU (University of Aberdeen); Shadrach Ogiriki (Baze University)		Facilitators: Dr SULEIMAN M. SHUWA (ABU)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217132-MS	Application of Lignin Polymeric Nanofluid as a Chemical Enhanced Oil Recovery Agent at Reservoir Condition	Muhanad Al_Ani (Universiti Teknologi Malaysia); Mohd Akhmal Sidek (Universiti Teknologi Malaysia); Mohd Zaidi Jaafar (UNIVERSITI TEKNOLOGI MALAYSIA); Augustine Agi (Universiti Malaysia Pahang); Jeffrey R Gbonhinbor (Niger Delta University)*; Norida Ridzuan (Universiti Malaysia Pahang); Siti Qurratul Aini Mahat (Universiti Malaysia Pahang); Farouk Yakassai (UNIVERSITI TEKNOLOGI MALAYSIA); Eugene Nguoangna (Universiti Teknologi Malaysia); Jeffrey Oseh (Universiti Teknologi Malaysia)
SPE-217122-MS	The Effect of Low Salinity Flooding of Silica Nanoparticles Functionalized with (3 aminopropyl) Triethoxysilane on Enhanced Oil Recovery	Eugene Nguoangna (Universiti Teknologi Malaysia); Mohd Zaidi Jaafar (UNIVERSITI TEKNOLOGI MALAYSIA); Tohdi Noorul Anam (Universiti Teknologi Malaysia); Augustine Agi (Universiti Malaysia Pahang); Jeffrey R Gbonhinbor (Niger Delta University)*; Norida Ridzuan (Universiti Malaysia Pahang); Siti Qurratul Aini Mahat (Universiti Malaysia Pahang); Farouk Yakassai (UNIVERSITI TEKNOLOGI MALAYSIA); Jeffrey Oseh (Universiti Teknologi Malaysia); Muhanad Al_Ani (Universiti Teknologi Malaysia)
SPE-217123-MS	Effects of Carbon Dioxide and Liquefied Petroleum Gas Mixture on Minimum Miscibility Pressure for Carbon Dioxide Storage and Enhanced Oil Recovery	Muhanad Al_Ani (Universiti Teknologi Malaysia); Mohd Akhmal Sidek (Universiti Teknologi Malaysia); Mohd Zaidi Jaafar (UNIVERSITI TEKNOLOGI MALAYSIA); Augustine Agi (Universiti Malaysia Pahang); Jeffrey R Gbonhinbor (Niger Delta University)*; Norida Ridzuan (Universiti Malaysia Pahang); Siti Qurratul Aini Mahat (Universiti Malaysia Pahang); Farouk Yakassai (UNIVERSITI TEKNOLOGI MALAYSIA); Eugene Nguoangna (Universiti Teknologi Malaysia); Jeffrey Oseh (Universiti Teknologi Malaysia)
SPE-217191-MS	Reservoir Characterization for CO2 Sequestration and CO2-Enhanced Oil Recovery Techniques in "MAJE" field, offshore Niger Delta, Nigeria	Tolugbemi Oinachi Agunbiade (Federal University of Technology Akure)*; Rodai Amusan (Federal University of Technology, Akure); Oluwatoyin Oluwadare (Federal University of Technology Akure)
SPE-217215-MS	Simulation Study of the Effect of Various Water Alternating Gas Injection Schemes on Recovery in a Gas Condensate Reservoir	Khaleel Jakada (Nile University of Nigeria)*; GIMBA Abdullahi S B (Nile University of Nigeria); Ikechukwu S Okafar (Department of Petroleum and Gas Engineering, Nile University of Nigeria Abuja, Plot 681, Cadastral zone COO, Research and Institution Area Abuja, Federal Capital Territory, Nigeria); Petrus Nzerem (Nile University of Nigeria); Hajara Kabeer Abdulfatah (University College London); Mojeed Oluogun (Baze University)
Date: Tuesday, 1st August 2023		Venue: AFRICA ROOM
Session: TS 8 – Reservoir Geology & Geophysics		Duration: 2:00pm – 4:00pm
Chairpersons: GODWIN OGUGUAH AGUNWOKE (Chevron); MAGNUS KANU (SPDC)		Facilitators: EMEKA DURUZOR (Oando)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217099-MS	Using High Fidelity OBN Seismic Data to Unlock Conventional Near Field Exploration Prospectivity in Nigeria's Shallow Water Offshore Depobelt.	Obobi Ume Onwuka (Shell)*; Obinna Chudi (Shell); Ifekelunma Umeogu (Shell); Olatekan Balogun (Shell); Precious Alamina (SPDC Port Harcourt); Adelola Adesida (The Shell Petroleum Development Company of Nigeria Limited); Kolaawale Akingbade (Shell); Ibianga Sukubo (SPDC); Jude Dr. Osimobi (Shell); Johnbosco Uche (Shell); David Mepherston (Shell)
SPE-217231-MS	Assessing energy resources in a complex geologic setting unraveled by Ocean Bottom Node (OBN) seismic during project execution	Eudorah Ochai-Audu (SPDC)*; Akwaowo Otung (SPDC); Miguel Mora-Glukstad (PDO); Ejuwa Nworie (Shell)
SPE-217093-MS	Improving Velocity Model Using Double Parabolic RMO Picking (ModelC) and Providing High-end RTM (RTang) Imaging for OML 79 Shallow Water, Nigeria	Jude Dr. Osimobi (Shell)*
SPE-217139-MS	Geological Model of a Near Field Exploration Cluster: Implications for Prospectivity, Reservoir Presence, Reservoir Quality and Formation Pressure Regime.	Adelola Adesida (The Shell Petroleum Development Company of Nigeria Limited)*; Olusegun Obilaja (SPDC); Barr Tchehaa (SPDC); Georgina Ndulue (SPDC); Jude Omuji (SPDC); Jude Ekweator (SPDC); Omofere Uche (SPDC); Precious Alamina (SPDC Port Harcourt); Patricia Ukeri (SPDC)
SPE-217205-MS	An integrated approach for the geologic model construction of a Miocene turbidite reservoir in the Akpo Field, Niger Delta.	GLORY O OKONKWO (TotalEnergies)*; CHUKWUKA CHIZEA (TotalEnergies); EMMANUEL AKHAJEME (TotalEnergies); Olatunbosun O Oigundoye (TotalEnergies); MOMODU OGWOHO (TotalEnergies); VINCENTO SPINA (TotalEnergies); CHINEDU ONYEANUNA (TotalEnergies); GABRIEL UNWERIKOWE (TotalEnergies); MOBOLAJI FASHANU (TotalEnergies); CHRISTOPHER ENUMA (TotalEnergies)
SPE-217185-MS	Maximizing Production through Optimal Wellbore Placement for Energy Accessibility and Affordability	Johnbosco Azubuike Onyeji (Chevron)*; Olufisayo P Fagbowore (Chevron Nigeria Limited); Clement Chukwuka (Chevron Nigeria Limited); Olumide B Taiwo (Chevron Nigeria Limited); VICTORIA N OKORIE (CHEVRON NIGERIA LIMITED); Oluobenga Abolarin (Chevron Nigeria Limited); Eddie Agbonigator (Chevron Nigeria Limited)
Date: Tuesday, 1st August 2023		Venue: ASIA ROOM
Session: TS 9 – Project Economics & Financing – 1		Duration: 2:00pm – 4:00pm
Chairpersons: AMIEBIBAMA JOSEPH (UNIPORT)		Facilitators: Maduabuchi Ezeh (NEPL)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217184-MS	HOW AFFORDABLE IS MINIGRID POWER FOR SUSTAINABLE ELECTRICITY SUPPLY IN NIGERIA	Michael C IWEGBU (TOTALENERGIES)*; ANTHONY IBE (EMERALD ENERGY INSTITUTE, UNIVERSITY OF PORT HARCOURT); UCHE OSOKOGWU (EMERALD ENERGY INSTITUTE, UNIVERSITY OF PORT HARCOURT); AUGUSTINE ONWOCHIEI (TOTALENERGIES)
SPE-217114-MS	Decarbonization: Economic Analysis of powering a filling station with solar panel system in Nigeria.	EMMANUEL BAMIDELE AYODELE (Niger Delta Power Holding Company (NDPHC))*; Kingsley Okoli (Saint Petersburg Electrotechnical State University LETI); Bilal Ibrahim (UNIPORT); Emmanuel N Ebere (University of Port Harcourt); Nwchodi Egbune Wosu (Federal Polytechnic of Oil and Gas Bonny); Oluwaferanmi O Akinyemi (Federal University of Technology, Minna)
SPE-217177-MS	Cost Effective Approach for the Recertification of Open-water intervention riser systems in Nigeria using Asset Integrity Management Tools	Adedayo C Ademoyegun (TechnipFMC)*; Jesse Andrawus (Robert Gordon University); Cathy McCullagh (Robert Gordon University)
SPE-217248-MS	Gold-Based Economic Evaluation of Petroleum Assets – A Counter Factual Approach	Yomi Stephen Akinnurun (NNPC E&P Limited)*; Izuchukwu Ojukwu (University of Benin); Oluwaseun Taiwo (University of Benin); Omomere Imujete (NNPC E&P Limited)
SPE-217256-MS	FISCAL SYSTEM DESIGN AND ECONOMIC EVALUATION FOR PETROLEUM RESOURCE DEVELOPMENT IN GHANA (Comparative analysis between fixed royalty and Sliding Scale royalty)	Desmond Mr Achikwei (All Nations University)*; Omowumi Iledare (Emerald Energy Institute, UNIPORT); Eric Amarfio (University of Mines and Technology)
SPE-217257-MS	IMPACT OF CRUDE OIL PRICE VOLATILITIES ON PETROLEUM REVENUE COLLECTION AND ALLOCATION IN GHANA	Shafic Sulemani (University of Cape Coast); Godfred Kwaku Ennin (University of Cape Coast)*; Omowumi Iledare (University of Cape Coast); Constantine Kojo-Mawenena Kudzedzi (University of Cape Coast)

Technical Sessions DAY 1 (1st Aug) AFTERNOON SESSION

Date: Tuesday, 1st August 2023		Venue: AUSTRALIA ROOM
Session: TS 10 – Health, Safety and Environment		Duration: 2:00pm– 4:00pm
Chairpersons: ERAGBAE AIKHOJE (TotalEnergies)		Facilitators: Nwankwo Francisca Ezinne (HY-LOK Nigeria)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217149-MS	Energy efficiency as a key driver for environmental sustainability in the oil and gas sector in Nigeria.	Humphrey O Oruwari (Nigerian National Petroleum Corporation)*
SPE-217255-MS	Effective HSE-MS Implementation: A Success Story of ikike Project 6million + Manhours with NO LTI	DANIEL LDO ABIA (TotalEnergies)*; Henry Ikpa (TotalEnergies); Adeyemi A Enigboka (TotalEnergies); Eragbae Aikhoje (TotalEnergies)
SPE-217161-MS	Practical Approach to Greenhouse Gas (GHG) Emissions Reduction in Stranded Oil Producing Assets – Technical Feasibility Safeguards 15MMscf/d Gas Supply	Eelah Muzan (Shell Petroleum Development Company of Nigeria Limited)*; Basil Ogbunode (Shell); Barka Chiroma (Shell); Sunday Maxwell-Amgbaduba (Shell Petroleum Development Company(SPDC)); Uchenna Udobata (SPDC); Onyedikachi Okereke (SPDC)
SPE-217178-MS	Green technological approach for sustainable operations of oil and gas industry	Humphrey O Oruwari (Nigerian National Petroleum Corporation)*
SPE-217165-MS	OPERATIONALISING PROCESS SAFETY IN GAS LIFT OPERATIONS- OKOM FIELD EXPERIENCE	Benjamin U Obong (Shell Petroleum Development Company of Nigeria Limited)*; JAMES MOZEH (SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LIMITED); SAVO BALOGUN (SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LIMITED); ABIODUN OGINNI (SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LIMITED); Franklin Azibpu (Shell Petroleum Development Company of Nigeria Limited); Sunday Ukenye (SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LIMITED); Ifeanyichukwu J Ofia (Shell); THERESA EWUZIE (NDEP)
SPE-217174-MS	Impact of Incident Reporting on Operational Risk Management and Accident Prevention in FPSO Operations in Nigeria	Isioma Agbadiba (Eni Nigeria)*; Daniel Nduweze Madauguw (Eni Nigeria)
Date: Tuesday, 1st August 2023		Venue: AMERICA ROOM
Session: TS 11 - Renewables and Unconventional Energies		Duration: 2:00pm– 4:00pm
Chairpersons: Adetoun Mustapha (SNEPCO); Mrs Elegbekeye (TotalEnergies)		Facilitators: Solomon Okoro (Sahara)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217097-MS	Harnessing renewable energy (bio-fuels) potentials through Bioenergy simulation for economic electricity and heat generation and reduction of net carbon emissions in Gombe State, Nigeria.	Adamu Dawaki (King Fahd University of Petroleum and Minerals, Dhahran, KSA)*; Usman Abdulkadir (Heriot-watt University, United Kingdom); Peace Chukwuka (NO&G); Umar Jafar Musa (King Fahd University of Petroleum and Minerals, Dhahran, KSA); Aminu Muhammed Eme (Abubakar Tafawa Balewa University)
SPE-217107-MS	Energy Transition in Mono-Economies, the Non-Participatory, and Effect Mitigating Approach	Merit P. Ekeregbé (NEPL)*
SPE-217173-MS	Addressing Energy Availability, Accessibility and Affordability Amidst Energy Transition in Africa: Ghana's Outlook	Riverson Oppong (Ghana National Gas Company)*; Ben Asante (Ghana National Gas Company); Ishmael Ackah (PURC)
SPE-217176-MS	PREDICTING THE HYDROGEN STORAGE POTENTIAL OF IONIC LIQUIDS USING THE DATA ANALYTICS TECHNIQUES	Allyu Adebayo Sulaimon (Universiti Teknologi PETRONAS)*; Lugman Adam Azman (Universiti Teknologi PETRONAS); Syed Ali Qasim Zohair (Universiti Teknologi PETRONAS); Bamikole J Adeyemi (University of Aberdeen); Azmi Mohd Shariff (Universiti Teknologi PETRONAS); Wan Zaireen Nisa Yahya (Universiti Teknologi PETRONAS)
SPE-217247-MS	The use of solar energy to power the oil and gas FPSO in Africa	Collins Amabuo (University of Port Harcourt)*; Bilal Ibrahim (UNIPORT); Emmanuella N Ebere (University of Port Harcourt); EMMANUEL BAMIDELE AYODELE (Niger Delta Power Holding Company (NDPHC))
SPE-217136-MS	Factors influencing sustainable energy transition and climate change in Nigeria	Humphrey O Oruwari (Nigerian National Petroleum Corporation)*
Date: Tuesday, 1st August 2023		Venue: EUROPE ROOM
Session: TS 12 – Production Optimization & Operations - 2		Duration: 2:00pm– 4:00pm
Chairpersons: Mohammed Othman (NAOC); Dr Amielbibama Joseph (UNIPORT)		Facilitators: DR. NDUBUSI UCHECHUKWU OKEREKE (FUTO)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217236-MS	Well Diagnostic of New Underperforming Wells Using Downhole Log Tool [SNT & MDT Tool].	Abdulkabir O Gidado (Newcross Petri)*; Chidi Ekesiohi (Newcross Petroleum Limited); HANNAH KPONE-TONWE (NEWCROSS PETROLEUM); Julius Adesun (Newcross Petroleum Limited)
SPE-217167-MS	Realizing Value Through Focused HPHT Wells Intervention – The GAMMA Story	Femi Obakhena (SPDC)*; Tamunotonye G Biambo (SPDC); Jumah Alli-Oluwafuyi (Shell Petroleum Development Company of Nigeria Limited); Chinedu Anijekwu (Shell Petroleum Development Company); Stella I Ogbodu (Shell Petroleum Development Company of Nigeria Ltd); Emmanuel Okolomma (Shell Petroleum Development Company); Olajumoke Braimah (Shell Petroleum Development Company); Kenneth Eke (SPDC)
SPE-217232-MS	Integrated Approach to Addressing Well Integrity Challenges: A case study of Well AA	Eric Ezenobi (Shell Petroleum Development Company Ltd)*; Jumah Alli-Oluwafuyi (Shell Petroleum Development Company of Nigeria Limited); Imontie J Imorame (Shell Petroleum Development Company Ltd); Emmanuel Okolomma (Shell Petroleum Development Company); Tamunotonye G Biambo (SPDC); Abiodun Laoye (SPDC); Bunmi Ayodele (SPDC); Ejiwa Nworrie (Shell)
SPE-217166-MS	Reservoir Souring Assessment and Application of Design and Engineering Practice to Successfully Predict and Mitigate H2S Release in a Produced Water Well Intervention	Aniekani Obot (SPDC)*; Basil Ogbunode (Shell); Imaobong Bassey (SPDC); Ihuoma Green (SPDC); Eelah Muzan (Shell Petroleum Development Company of Nigeria Limited); Jonathan Mude (Shell); Oforiokuma Gogo (Shell Petroleum Development Company); Taro Onajite (SPDC); Ibekwe Conrad (SPDC)
SPE-217138-MS	Strategic Reservoir Management: An integrated approach to production restoration and optimization	Precious David Pepple (Sahara Group - Asharami Energy)*; Chinwendu Mogbo (WAGL Energy Ltd); Dengie Yaboh (WAGL Energy Ltd); Akaba Chukwuma (WAGL Energy Ltd); Chukwumeka Nwachukwu (WAGL Energy Ltd); Maryam Talida (WAGL Energy Ltd); Chinweike Okaka (WAGL Energy Ltd); Richard Itene (WAGL Energy Ltd); Aniekani Udo-Etuk (WAGL Energy Ltd); YISA ADEEYO (Sahara Energy)
SPE-217188-MS	Modelling System Failure of a typical Hydraulic Power Unit within a Subsea Production Control System	Slim Ben Slimane (Robert Gordon University); Jesse Andrawus (AIMRE); Ibiye Iyalla (Robert Gordon University)*

Technical Sessions DAY 1 (1st Aug) AFTERNOON SESSION

Presentation Schedule Day 2

Date: Wednesday, 2nd August 2023		Venue: ANTARCTICA ROOM
Session: TS 13 – Production Optimization & Operations - 3		Duration: 8:30am–10:00am
Chairpersons: AYODELE SAMUEL BOLAJI (Antan); Olatunji Bakare (SPDC);		Facilitators: OGBONNA, BARIYRAMUE FORTUNE (Notore)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217225-MS	Practical Hydrocarbon Allocation – A Machine Learning Approach	Kennedy Diaso (Oando Energy Resources); Joseph Kallio (Oando)*; Sunday Mathew Owoseni (Oando Energy Resources); Emeka D Duruzor (Oando Energy Resources); Babafemi Onasanya (Oando Energy Resources)
SPE-217120-MS	A production-allocation method for two-zone downhole conningming in semi-intelligent oil wells	damilola olabimtan (FIRST E&P); kazeem lawal (FIRST E&P)*; Segun Owolabi (FIRST E & P); Oluseun Mumuni (Nigeria Upstream Petroleum Regulatory Commission (NUPRC)); Osemare Omion (Nigeria Upstream Petroleum Regulatory Commission (NUPRC)); Jimkuta Mamman (Nigeria Upstream Petroleum Regulatory Commission (NUPRC)); Ali Dimari (Nigeria Upstream Petroleum Regulatory Commission (NUPRC)); Uche Olinia-Ewuzie (Laser Engineering and Resources Consultants Limited); Hilary Okeke (Laser Engineering and Resources Consultants Limited); Bella Mmata (Laser Engineering and Resources Consultants Limited); Mike Onyekonwu (LASER ENGINEERING AND RESOURCES CONSULTANTS LIMITED)
SPE-217216-MS	Analysis of Hydrocarbon Allocation Techniques for Natural Gas Plant Outputs	Sunday Kansho (Fluissen & Company Limited)*; Prosper Lekia (Fluissen & Company Limited)
SPE-217183-MS	Field Surface Planner Algorithm for integrated Gas Asset Management	YISA ADEEYO (Sahara Energy)*; Abu Abdulhameed (Asharami Energy); Gamaliel Adun (Asharami Energy); Mariah Lucciano-Gabriel (Asharami Energy)
SPE-217146-MS	Sensitivity Analysis on Choke Size and Drawdown on a Well Using Prosper Modelling for Reservoir Management	Abdulkabir O Gidado (Newcross Petri)*; Adekunle T ADENIYI (Afe Babalola University, Ado Ekiti, Ekiti State, Nigeria.); Bukola K Olusola (Newcross Group); Abdulwahab GIWA (Afe Babalola University, Ado-Ekiti, Ekiti State, Nigeria); HANNAH KPONE-TONWE (NEWCROSS PETROLEUM)
SPE-217207-MS	Extending the Frontiers of Well Clean-up Through Micro-emulsion-Based Technology Application.	Felix O Okoro (Shell Petroleum Development Company of Nigeria Limited)*; Bunmi Ayodele (Shell Petroleum Development Company of Nigeria Limited); Chidiobere Anioke (Baker Hughes); Emmanuel Okokomma (Shell Petroleum Development Company); Yahaya Ibrahim (Shell Petroleum Development Company); Olufemi Mohammed (Baker Hughes); Catherine Miete-Ileberi (Baker Hughes)
Date: Wednesday, 2nd August 2023		Venue: AFRICA ROOM
Session: TS 14 – Reservoir Engineering & Surveillance - 2		Duration: 8:30am–10:00am
Chairpersons: CHIKE NWONODI (SPDC); ERNEST MKPASI (Mobil)		Facilitators: Daniel Oku (Sahara)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217105-MS	Modified Solvent-Based Mud Acid Stimulation of Condensate Gas Reservoirs: Case Study of UUU Cluster in West Niger Delta	Peter Osode (00292163-0001)*; Augustine Soro (Nigerian National Petroleum Corporation); Andy Iyama (ND Western Ltd); David Otiede (Nigerian National Petroleum Corporation); Oduyemi Olawunmi (Nigerian National Petroleum Corporation); Lawrence Nwadiogbu (ND Western Ltd)
SPE-217106-MS	Darcy-Forchheimer's Model: Application in Hydraulic Fracturing Design and Optimisation.	Adango Hart (CypherCrescent Nigeria Limited); Oluwasegun C Omobolanle (CypherCrescent Nigeria Limited)*
SPE-217121-MS	Influence of Surface Modification on the Interfacial Tension Reduction and Wettability Alteration of Iron Oxide Nanoparticles Under Reservoir Conditions	Farouk Yakasai (UNIVERSITI TEKNOLOGI MALAYSIA); Mohd Zaidi Jaafar (UNIVERSITI TEKNOLOGI MALAYSIA); Mohd Akhmal Sidek (Universiti Teknologi Malaysia); Augustine Agi (Universiti Malaysia Pahang); Jeffrey R Gbonhinbor (Niger Delta University)*; Norida Ridzuan (Universiti Malaysia Pahang); Siti Qurratu' Aini Mahat (Universiti Malaysia Pahang); Eugene Ngouangna (Universiti Teknologi Malaysia); Jeffrey Oseh (Universiti Teknologi Malaysia); Muhanad Al_Ani (Universiti Teknologi Malaysia)
SPE-217124-MS	Effect of Temperature and Particle Exposure on Hydroxyapatite Nanoparticles on Wettability Alteration of Oil-Wet Sandstone	Eugene Ngouangna (Universiti Teknologi Malaysia); Mohd Zaidi Jaafar (UNIVERSITI TEKNOLOGI MALAYSIA); Mohd Noorul Anam (Universiti Teknologi Malaysia); Augustine Agi (Universiti Malaysia Pahang); Jeffrey R Gbonhinbor (Niger Delta University)*; Norida Ridzuan (Universiti Malaysia Pahang); Siti Qurratu' Aini Binti Mahat (Universiti Malaysia Pahang); Farouk Yakasai (UNIVERSITI TEKNOLOGI MALAYSIA); Jeffrey Oseh (Universiti Teknologi Malaysia); Muhanad Al_Ani (Universiti Teknologi Malaysia)
SPE-217245-MS	COMPARATIVE ANALYSIS OF CO2 STORAGE CAPACITY ON SALINE AQUIFERS IN THE NIGER-DELTA	Oluseyi T Akinboade (Newcross EP)*; Bukola K Olusola (Newcross Group)
Date: Wednesday, 2nd August 2023		Venue: EUROPE ROOM
Session: TS 15 – Marginal Fields Development & Operations		Duration: 8:30am–10:00am
Chairpersons: OKWUOMA NNAJIOFOR (Antan); ELIAS AROCHUKWU (SPDC)		Facilitators: DR. JUDE OSIMOB (SPDC)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217129-MS	Otakipko Offshore Infrastructure System Integrity Challenges: Developing Elegant and Unique Solutions to Complex Challenges	Tamunotroko Kala-otaji (Green Energy International Limited)*
SPE-217197-MS	Heavy Oil Development and Reserve Addition Potentials: The Abura GST case	Henry Ijomanta (NPDC)*; Oluchukwu Okoh (NPDC); Obianuju Igbokwe (Schlumberger Nigeria Limited); Olayinka Ayeni (NNPC E&P Limited); Ebuka A Ifeduba (NPDC); Charles Akenobo (Nigeria Petroleum Development Company); Adebayo Odude (Nigerian Petroleum Development Company (NPDC))
SPE-217218-MS	EVALUATION OF THE PROFITABILITY OF MARGINAL FIELD INVESTMENT USING THE FISCAL PROVISIONS IN THE PETROLEUM INDUSTRY ACT (PIA) 2021	Amina Danmadami (Department of Petroleum Resources)*; Ibiye Iyalla (Robert Gordon University); Gbenga Oluyemi (Robert Gordon University); Oghenerume Ogolo (Nile University of Nigeria); Jesse Andrawus (AIMRE)
SPE-217131-MS	Conceptualizing the Otakipko Onshore Terminal: The First Indigenous Onshore Terminal in Nigeria	Tamunotroko Kala-otaji (Green Energy International Limited)*

Technical Sessions DAY 2 (2nd Aug) MORNING SESSION

Date: Wednesday, 2nd August 2023		Venue: ASIA ROOM
Session: TS 16 – Well Design, Drilling & Completions - 1		Duration: 8:30am– 10:00am
Chairpersons: Emmanuel Emeka OKORO (UNIPORT); Engr. OKURERIE AJIROGHENE OGEDEGBE (Indanadani)		Facilitators: CHIAMAKA NNOZUBA (SPDC)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217118-MS	Evaluation Studies of KCl and Amino Acid Mixtures for Clay Stabilization and Rheological Enhancement of Water-Based Fracturing Fluids	KWAMENA OPOKU DUARTEY (University of Energy & Natural Resources)*; Ato Kwamena Quainoo (Missouri University of Science and Technology); Caleb K. Darko (Missouri University of Science and Technology)
SPE-217134-MS	A sustainable pathway to achieving operational efficiency while reducing carbon emissions using remote operations and drilling automation.	Loretta O Umeonaku (Baker Hughes a G.E Company)*; Kenechi Okafor (Baker Hughes); Ben Alu (Baker Hughes Company); John Atakpa (University of Cambridge)
SPE-217140-MS	Microwave assisted technique for oil recovery from oily sludge shale drilled cuttings	Augustine Agi (Universiti Teknologi Malaysia); Raduan Junin (Universiti Teknologi Malaysia); Mohd Shakuam (Universiti Teknologi Malaysia); Afiez Olayinka Gbadamosi (Universiti Teknologi Malaysia)*; Norida Ridwan (Universiti Malaysia Pahang); SIRI Qurratu' Aini Mahat (Universiti Malaysia Pahang); Ghonhinbor Jeffrey (Niger-Delta University); Jeffrey O Oseh (Universiti Teknologi Malaysia)
SPE-217171-MS	An Improved Model for Accurate Description of Drilling Fluid Rheological Behaviour in Enhanced-Water and Low-Toxicity Oil-Based Muds.	Adewale A J Folan (University of Port Harcourt)*; Adewale Dosunmu (University of Port Harcourt); Boniface Orji (University of Port Harcourt)
SPE-217227-MS	Rigless Conductor Piling using Quick Connect (threaded) Tubulars – A strategy to sustain Production	Ovie Mirakpor (Sepilat Energy)*; Charles Adigolo (Sepilat Energy); Ernest Udi (Sepilat Energy); Fidelis Anorue (Sepilat); Kenneth Oga -Eluwa (Tecon Oil Services); Gabriel Ahaneku (Tecon Oil Services); William Campbell (Titan Tubulars)
Date: Wednesday, 2nd August 2023		Venue: AUSTRALIA ROOM
Session: TS 17 – Well Design, Drilling & Completions - 2		Duration: 8:30am– 10:00am
Chairpersons: FRANCIS NWEKE (NAOC); OKONKWO NGOZI (SPDC)		Facilitators: ERIC EZENOBI (SPDC)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217091-MS	Improving Cement Sheet Contraction and Strength Retrogression for High Temperature Well Cementing Using Local Material	YIBUDONGHA YIBUDONGHA (NIGERIAN NATIONAL PETROLEUM COMPANY LIMITED)*; Kevin Igwito (FUTO); NNAEMEKWA UWAZUOKE (FEDERAL UNIVERSITY OF TECHNOLOGY OWERRI); UBANOZIE OBIBUIKE (FEDERAL UNIVERSITY OF TECHNOLOGY OWERRI)
SPE-217094-MS	Bit balling: Causes, Effects and Mitigation using Bunmi-01 Well in Niger Delta as a case study	Sodiq Adejuwon Kehinde (NNPC Exploration and Production Limited (NEPL))*; Olawale I Ajayi (Nigerian Petroleum Development Company Limited); Umwono Akpan (NNPC Exploration and Production Limited (NEPL)); DAVID E. ODESA (NIGERIAN NATIONAL PETROLEUM CORPORATION)
SPE-217098-MS	Analysis of Drilling Fluid Losses, Mitigations and Recovery while Transiting from Depleted to Overpressured Zones	Chibuzo Nwamaicha (Shell Petroleum Development Company)*; Bart Tichelaar (Shell Petroleum Development Company); Onyeka S Anyaegbu (Shell Petroleum Development Company)
SPE-217113-MS	Machine Learning Techniques for Real time Prediction of Essential Rock Properties Whilst Drilling.	Kingsley W Amadi (Australian University)*; Mortadha Alsaba (Australian University); Ibiye Iyalla (Robert Gordon University); Radhakrishna Prabhu (Robert Gordon University); Rida Mo Egaddafi (Australian University)
SPE-217237-MS	Wellbore Strengthening: Palm Date Seeds for Mitigating Circulation Losses and Effect of Salinity on Clay Swelling	Abdirahman H Mohamed (Universiti Teknologi PETRONAS)*; Aliyu Sulaimon (Universiti Teknologi PETRONAS); Bamikole J Adeyemi (University of Aberdeen); Vijay Manickam (Noble GA Engineering); Shiferaw Jafar (Universiti Teknologi PETRONAS)
Date: Wednesday, 2nd August 2023		Venue: AMERICA ROOM
Session: TS 18 – Asset Management and Information - 2		Duration: 8:30am– 10:00am
Chairpersons: Dr. UCHE CHUKWUNONSO (Oriental)		Facilitators: Anuola Osinaike (Sahara)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217198-MS	Well Management: Top Tier Well Approach	Sulaiman Abiodun Bakenne (ExxonMobil)*; Stephen Oboh (ExxonMobil); Iheanyi Ugwa (ExxonMobil)
SPE-217192-MS	Enhancing natural gas plant operations in Niger Delta region: Using wireless sensor	Humphrey O Oruwari (Nigerian National Petroleum Corporation)*
SPE-217224-MS	Oil and Gas Wells Production Capacity Digitalization – A Systemic Approach to Deferred Volumes Management	Adeyemi Adebajo (Oando Energy Resources); Emeke D Duruzor (Oando Energy Resources)*; Basil Oyakhire (Oando Energy Resources); Babafemi Onasanya (Oando Energy Resources); Chineho Nwangwu (Oando Energy Resources); Eytayo Michael (Oando Energy Resources); Deborah Akpedeye (Oando Energy Resources); Olatubosun Afere (Oando Energy Resources); Dominic Ayalogu (Oando Plc)
SPE-217163-MS	Integration of Artificial Intelligence with Economical Analysis on the Development of Natural Gas in Nigeria; Focusing on Mitigating Gas Pipeline Leakages	Ezechi G Chinenye (Future Oilfield Services Limited)*; Esuru R Okoroafor (Texas A&M)
SPE-217250-MS	FIRE CRITICAL EQUIPMENT INTEGRITY DASHBOARD: An Effective tool for Fire risk reduction	DANIEL UDO ABIA (TotalEnergies)*; Ibukunoluwa Aina (TotalEnergies); Adeyemi A Enigboka (TotalEnergies); Seun Ajayi (TotalEnergies); Eragbae Akhhoje (TotalEnergies)
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Technical Sessions DAY 2 (2nd Aug) MORNING SESSION

Date: Wednesday, 2nd August 2023		Venue: EUROPE ROOM
Session: TS 19 – Deep Water Development & Operations - 2		Duration: 2:00pm– 4:00pm
Chairpersons: ABRAHAM EKEBAFE (SNEPCO); JAIYEOLA JEFFREY IFIHAN OLUSEGUN (NUIMS)		Facilitators: Gamaliel Adun (Sahara)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217127-MS	Drilling into a charge shadow zone of a prolific Niger Delta Field: Learnings from Well-X	ayodeji A ogunlana (SNEPCO)*; Kolawole Akingbade (SNEPCO); Oladipo Falade (SPDC Port Harcourt); Olusegun Obilaja (SNEPCO); Chima Chikezie (SNEPCO); Herve Farran (Shell); TIMPERE D JENAKUMO (SHELL NIGERIA EXPLORATION AND PRODUCTION CO); Anita Orakwe (SNEPCO)
SPE-217223-MS	SCR FATIGUE MITIGATION FOR LIFE EXTENSION	Oluwasegun Wernimo (Shell Nigeria Exploration and Production Company)*; Oluwasegun Osadebe (Shell Nigeria Exploration and Production Company); Daniel Amuda (Shell Nigeria Exploration and Production Company); Shankar Bhat (Shell Nigeria Exploration and Production Company); John Ugbelase (Shell Nigeria Exploration and Production Company)
SPE-217155-MS	Inhibition Effect of Order Brassicales Plant Extract (BPE) on Methane Gas Hydrate Formation in a Gas Dominated System	Virtue Urunwo Wachikwu-Elechi (University Of Port Harcourt)*; Sunday Ikensikimama (University of Port Harcourt); Joseph Ajenka (University of Port Harcourt)
SPE-217201-MS	Successful Applications of a New Sand Screen Technology to mitigate water injection challenges, a case Study from Bonga field, Nigeria	Justus A Ngebara (Shell)*; Olusiji Alawode (Shell); Ross Wilson (TAQA); James Anderson (TAQA); Mojtaba Moradi (TAQA); Ismail Hamzat (Shell); Ejiro Emifonye (Shell); ifeanyi Ugbor (Shell); ngozi okonkwo (spdc)
SPE-217111-MS	Offline Production Tree Installation: Key Decisions, Value Drivers and Lessons Learnt	Chidi G Elendu (Chevron Nigeria Limited)*; Victor Bajomo (Chevron Nigeria Limited); Ndechukwu Enuneku (Chevron Nigeria Limited); Nnaemeka Kwamara (Chevron Nigeria Limited)
Date: Wednesday, 2nd August 2023		Venue: AMERICA ROOM
Session: TS 20 –Well Design, Drilling & Completions - 3		Duration: 2:00pm– 4:00pm
Chairpersons: AUGUSTINE OKOSUN (SNEPCO); CHIDI ELENDU (Chevron)		Facilitators: Donald Anyamkpa (Sahara)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217195-MS	Drilling Through Shales Below Depleted Sands: Case Study of a Niger Delta HPHT Gas Development Well	Stella I Ogbodu (Shell Petroleum Development Company of Nigeria Ltd)*; Bart Tichelaar (Shell Petroleum Development Company of Nigeria Ltd); Chibueze Amadi (Shell Petroleum Development Company of Nigeria Ltd); Chinedu Anjiekwu (Shell Petroleum Development Company of Nigeria Ltd); Kenneth Eke (Shell Petroleum Development Company of Nigeria Ltd); Jumah Ali-Oluwafuji (Shell Petroleum Development Company of Nigeria Limited); Peter Schutjens (Shell Global Solutions International B.V.)
SPE-217476-MS	Thru Tubing Gaslift Installation Techniques in Dual Completion for Production Optimization and Improved Recovery in Brown Field Reservoirs	Miriam Kosi Orji (Mobil Producing Nig. Unltd.); Olanrewaju Adebola (Mobil Producing Nig. Unltd.); Lucky Isihomo (ExxonMobil Nigeria)*; Anthony Ogbor (Mobil Producing Nig. Unltd.); Toyin Arewasulu (Mobil Producing Nig. Unltd.)
SPE-217196-MS	Improving Well Construction/Intervention Time and Cost Estimation Accuracy Via Historical Performance Data Analysis	Miriam Kosi Orji (Mobil Producing Nig. Unltd.); TOYIN AROWOSAFE (Mobil Producing Nig. Unltd.); John Aglaja (Mobil Producing Nig. Unltd.)
SPE-217261-MS	Key Considerations in the Design and Execution of Extension Packs or Frac Packs when in the Proximity to a Main Thrust Fault	Chidi G Elendu (Chevron Nigeria Limited)*; Martin Prada (Chevron); Steve njoku (Chevron Nigeria Limited); Ihechi Ojukwu (Chevron Nigeria Limited)
SPE-217238-MS	Implementation of Engineered Rigless Through Tubing Sand Exclusion Solution to Enhance Hydrocarbon Production: The Field X Case Study, Niger Delta, Nigeria	AUGUSTINE O. SORO (NPDC-NDW OML34AMT)*; Ehis Momodu (Gankco Energy Services Limited); Abiodun Olaye (Gankco Energy Services Limited); Raymond Okugbade (NPDC-NDW OML34AMT); Deji Akinlade (NPDC-NDW OML34AMT); PETER OSOQE (NPDC-NDW OML34AMT)
SPE-217193-MS	Uncertainty Management for Well Planning and Execution; Case Study of New Drills in Tom Boy Field in the Swamp Niger Delta	Olumide B Taiwo (Chevron Nigeria Limited)*; Tobin Igru (Chevron Nigeria Limited); Johnbosco Azubuike Onyeg (Chevron); Ohenhen Oduware (Chevron Nigeria Limited); Olufisayo P Fagbowore (Chevron Nigeria Limited); Fifi Zen (Chevron); Aluba Oragwu (Chevron Nigeria Limited); Clement Chukwuka (Chevron Nigeria Limited); Ayo Asoolu (CNL)
Date: Wednesday, 2nd August 2023		Venue: ASIA ROOM
Session: TS 21 – Production Optimization & Operations - 4		Duration: 2:00pm– 4:00pm
Chairpersons: EMMANUEL UDOFIA, PHD (Suneses); ADENIYI, ADEKUNLE TIRIMISIYU (ABUAD)		Facilitators: OLATUNDE KUKU (Oriental)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217153-MS	Investigative Approaches to Troubleshooting and Remediating Sub-Optimal Gas Lift Performance in a Dual Completion Well	Akinola Obembe (Chevron)*; Olumide B Taiwo (Chevron Nigeria Limited); Ebikeme Adowei (Chevron Nigeria Limited); Olufisayo P Fagbowore (Chevron Nigeria Limited); Aluba Oragwu (Chevron Nigeria Limited); Clement Chukwuka (Chevron Nigeria Limited)
SPE-217152-MS	Investigation of the impact of Surfactant Concentration on Gas Well Deliquification	Bright Kinata (Rivers State University, Port Harcourt)*; Chukwuma Godwin Nmegbu (Rivers State University); Nyelebuchi Amadichuku (Rivers State University, Port Harcourt)
SPE-217145-MS	Driving Profitability in Brownfield Field Cluster Production through Focused Back-To-Basics WRFM Optimization & Restoration: Habic Field Cluster Experience	Osazuwa B Uyiosa (Shell Petroleum Development Company)*; Ovokerhoyi Esharegharan (Shell Petroleum Development Company); Onajite Taro (Shell Petroleum Development Company); Suka Baranu (Shell Petroleum Development Company); Gbolade Ibiokunle (SPDC); Aniekan Obot (SPDC)
SPE-217156-MS	Safeguarding Export Gas Supply with Subsurface Disposal of Produced Water: An Optimized Approach to Liquid Handling	Uchenna Udobata (SPDC)*; Basil Ogbunude (Shell); Felah Muzan (Shell Petroleum Development Company of Nigeria Limited); Sunday Maxwell-Angbaduba (Shell Petroleum Development Company)(SPDC); Onyedikachi Okereke (SPDC); Chirona Barka (SPDC); Monday Nanpan (SPDC); Tamunotonye G Biambo (SPDC); Musa Nabage (SPDC); Chinedu Nwachukwu (SPDC); Femi Obakhena (SPDC)
SPE-217110-MS	Polymeric Gel Treatment for Water Shutoff – A Case Study	STEVE ADETOYE BABAGBEMI (Baker Hughes)*; Samuel S Mofunlewi (Baker Hughes, a GE Company)
SPE-217254-MS	Improving the flowability of waxy crude oil using Orange seed oil derived additive	Adesina S Fadairo (University of North Dakota)*; Gbadegesin Abiodun Adeyemi (University of North Dakota); Sven Egenhoff (University of North Dakota); Stephen Obia (Covenant University); Opeyemi Oni (University of North Dakota); Adebowale Oladebo (Covenant University); Richmond Nwaokuwu (Litewell Completion Services Limited)
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Technical Sessions DAY 2 (2nd Aug) AFTERNOON SESSION

Date: Wednesday, 2nd August 2023		Venue: AFRICA ROOM
Session: TS 22 – Production Optimization & Operations - 5		Duration: 2:00pm– 4:00pm
Chairpersons: IFEANYI UGBOR (SNEPCO); PROF. ABDULWAHAB GIWA (ABUAD)		Facilitators: AKU MICHAEL ANAYOCHI (CypherCrescent)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217210-MS	Optimizing production, increasing reserves and resources; reviving the potential of "Field A" in the Niger Delta Basin	Yemi Nura Dada (Chevron Nigeria Limited)*; Soji Aina (Chevron); Fifin Zen (Chevron); Paul Vincent (Chevron); Emmanuel Toumelin (Chevron); Matthew Ogofa (Chevron Nigeria Limited); Ebikeme Adowei (Chevron Nigeria Limited)
SPE-217189-MS	Harnessing Value from Mature Offshore Asset: Successes from Recent Acid Stimulation Campaigns in Field X	GANIYU O ADEYEMI (CHEVRON NIGERIA LIMITED)*; AGHOGHO EYEREGBA (CHEVRON NIGERIA LIMITED); MATTHEW BURGESS (CHEVRON NIGERIA LIMITED); JULES VESTERS (CHEVRON NIGERIA LIMITED); FESTUS CHUKWU (CHEVRON NIGERIA LIMITED); Adebayo Olufemi (Chevron Nigeria Limited); ANTHONY OYEWOLE (CHEVRON NIG. LTD)
SPE-217194-MS	INTEGRATION OF TECHNOLOGIES FOR HEAVY OIL PRODUCTION – AN NNPC E&P LTD APPROACH	Ebuka A Heduba (NPDC)*; Salisu hamza (NNPC E&P LTD); Henry Jomanta (NPDC); Olayinka Ayeni (NNPC E&P LTD); Nsikak Udo (NNPC E&P LTD); Ansi Niyang (NNPC E&P LTD); Oluchukwu Okoh (NPDC); Yomi Stephen Akinnurun (NNPC E&P Limited); Boyo Ojeaga (Rhino Production Solutions Ltd); John Esene (Rhino Production Solutions Ltd); Thomas Emetoh (Tuwal Ltd); Mutana Ogweda (Nigerian Petroleum Development Company (NPDC))
SPE-217208-MS	A Successful Foam Assisted Gas Lift Trial in a Matured Niger Delta Field.	Felix O Okoro (Shell Petroleum Development Company of Nigeria Limited)*; Elias Arochukwu (Shell Petroleum Development Company); Nnamdi Abuah (Shell Petroleum Development Company of Nigeria Limited); Imowo Marcus (Shell Petroleum Development Company of Nigeria Limited); Erasmus Nnanna (SPDC); Chy Onuigbo-Nweze (The Shell Petroleum Development Company); Iheanyi Eke (The Shell Petroleum Development Company Limited)
SPE-217202-MS	Optimizing the take-off valve opening of a self-lift by-pass conduit: A novel approach to severe slugging mitigation in offshore pipeline-riser systems	Ndubuisi U Okereke (Federal University of Technology, Owerri)*; Fuat Kara (Sheffield Hallam University); Marcel Iloani (FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI); Christian Okalla (FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI); Anthony Kerunwa (FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI); Isaac Ogazi (SNEPCo); Emmanuel Eledu (SNEPCo); Mccphilemon Chijoke (Universal Engineering Service.); Stephen Udoigbara (Afe Babalola University, Ado Ekiti, Ekiti State, Nigeria.); Ngosi Nwogu (Federal University of Technology, Owerri); Chibuzo C. Nwanwe (Federal Polytechnic Nekede Owerri)
SPE-217249-MS	An Evaluation of the Chemical EOR Potential for Advanced Niger Delta Oil Recovery	YISA ADEEYO (Sahara Energy)*; Olatfuyi Olatokun (University of Benin); Ismaila Mohammed (NNPC); Kelani Bello (University of Benin); Saburi Olafuyi (Jackson State University, Mississippi)
Date: Wednesday, 2nd August 2023		Venue: ANTARCTICA ROOM
Session: TS 23 – Gas Utilization & Operations		Duration: 2:00pm– 4:00pm
Chairpersons: DR. MALAMI MOHAMMED CENG, MIGEM (NGPIS)		Facilitators: GODSDAY IDANEGBE USIABULU (Novena)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217128-MS	Eliminating Associated Gas Flares in the Nigerian Stranded Marginal Oil Fields: The Otakkpo Field Strategy	Tamunotroko Kala-otaji (Green Energy International Limited)*
SPE-217157-MS	Panacea to Domestic Gas Supply and Accessibility in Nigeria	Jerry O UGOLO (Total E&P Nigeria Limited)*; Michael C IWEGBU (TOTALENERGIES)
SPE-217126-MS	Mega project with high shaping complexity during front end loading: A Niger Delta case study	PETER O OBIODIKE (University of PortHarcourt World Bank Africa Centre of Excellence Centre for Oilfield Chemicals Research and Shell Petroleum Development Company)*; Oluwafemi Akinwunmi (Shell Petroleum Development Company); Elisha Ezekiel-Hart (Shell Petroleum Development Company)
SPE-217168-MS	Alpha-028 FastTrack Maturation to Execution – Securing Export Gas Supply	Femi Obakhena (SPDC)*; Tamunotonye G Biambo (SPDC); Chukwunonso Ikilagwu (Shell Petroleum Development Company); Jumah Alli-Oluwafuyi (Shell Petroleum Development Company of Nigeria Limited)
SPE-217143-MS	Modelling and Simulation of Natural Gas Condensate Production using Artificial Neural Network	Azubiike Shadrack ASHINZE (Afe Babalola University, Ado-Ekiti, Ekiti state, Nigeria)*; Adekunle T ADENIYI (Afe Babalola University, Ado Ekiti, Ekiti State, Nigeria.); Abdulwahab GIWA (Afe Babalola University, Ado-Ekiti, Ekiti State, Nigeria)
SPE-217159-MS	Gas Well Deliquification Assessment and NAG-to-AG Compression Opportunity – Resolving Liquid Loading and Pressure Decline Issues in Gas Cap Blow Down Development and Salvaging Value via Second Stage Compression	Basil Ogbunude (Shell)*; Uchenna Udobata (SPDC); Felah Muzan (SPDC); Sunday Maxwell-Angbaduba (Shell Petroleum Development Company)(SPDC); Onyedikachi Okereke (SPDC); Chiroma Barka (SPDC); Olanrewaju Alaka (SPDC); Monday Nanpan (SPDC); Abiodun Laoye (SPDC)
Date: Wednesday, 2nd August 2023		Venue: AUSTRALIA ROOM
Session: TS 24 – Host Country Content in Africa		Duration: 2:00pm– 4:00pm
Chairpersons: NNADOZIE EZE (SPDC)		Facilitators: Jerry UGOLO (TotalEnergies)
SPE Paper No.	Paper Title	Author(s) and Affiliation
SPE-217142-MS	Sustainable Host Community Development – an Enabler for Energy security & Economic development in Nigeria	Emeke Chukwu (Platform Petroleum Limited)*; Chinyere P Ofor (Emerald Energy Institute)
SPE-217251-MS	Hydrogen Economy a Key Solution to Nigeria Energy Poverty: A Case Study of a Pilot Project	Destiny A Okolocha (Centre of Excellence in Geosciences and Petroleum Engineering University of Benin)*; Trust Oghale (University of Benin); Authority Odili (University of Benin); Difference Ogagarue (Federal University of Petroleum Resources, Effurun, Delta State)
SPE-217199-MS	Application of Blockchain in the African Energy Industry: Use Cases, Limitations and Solutions	Chukwudalu E Chime (EnergyBloc)*
SPE-217246-MS	DESIGN AND FABRICATION OF A CORE FLOODING APPARATUS FOR POLYMER FLOODING USING POTATO STARCH AND XANTHAN GUM.	MONIQUE A OFULUE (BAKER HUGHES)*
SPE-217150-MS	DEVELOPMENT OF AN AUTOMOBILE ADULTERATION INDICATOR SYSTEM.	Olabisi Oluseyi Olotu (FGN)*; Sunday Isehunwa (University of Ibadan)
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End of Technical Sessions		

Technical Sessions DAY 2 (2nd Aug) AFTERNOON SESSION

NAICE 2023 e-Poster Display / Presentation Programme

Date: Tuesday 1st – Wednesday 2nd August 2023 Venue: Lobby Area Outside TS Rooms, Eko Signatures, Eko Hotel & Suites, VI, Lagos, Nigeria

SN	Paper Number	Title	Authors/Affiliation	LCD Screen
Tuesday 1st August 2023:		Day - 1: Morning Session		
Chairpersons: YEMISI ELEGBELEYE (TotalEnergies)		Facilitators:		
SPE Paper No.	Paper Title	Author(s) and Affiliation		
1	SPE-217100-MS	INVESTIGATION OF THE EFFECTS OF WELL LENGTH TAPERING ON A HORIZONTAL WELL PERFORMANCE IN A LATERALLY INFINITE RESERVOIR	Peter O Ukpong (SPE)*; Adewole E.S (Staff Uniben)	Screen - 01
2	SPE-217170-MS	DIMENSIONLESS PRESSURES AND DERIVATIVE DISTRIBUTION OF TWO INTERFERING HORIZONTAL AND VERTICAL WELLS IN AN INFINITE ACTING RESERVOIR	Emumena Enuma (University of Benin)*; Adewole E.S (Staff Uniben); Michael G Ojah (University of Benin)	Screen - 02
3	SPE-217103-MS	PRESSURES AND PRESSURE DERIVATIVES OF VERTICAL AND HORIZONTAL WELLS LOCATED WITHIN INTERSECTING SEALING FAULT AND CONSTANT PRESSURE BOUNDARY	Michael G Ojah (University of Benin)*; Adewole E.S (Staff Uniben); Emumena Enuma (University of Benin)	Screen - 03
4	SPE-217112-MS	Dimensionless Pressures and their Derivatives for a Vertical Well Completed within a Pair of Inclined Constant Pressure Boundaries	Izuchukwu Ojukwu (University of Benin)*; Adewole E.S (Staff Uniben); O Tiawo (University of Benin)	Screen - 04
5	SPE-217137-MS	Project Life Cycle Costing And Sustainability of Natural Gas Pipeline Projects in Nigeria	Humphrey O Oruwari (Nigerian National Petroleum Corporation)*	Screen - 05
6	SPE-217109-MS	Impact of Nigeria's Nationally Determined Contributions (NDC) on Energy Security as the Country Transition to Low carbon or Net-zero Energy Systems	Hajara Kabeeer Abdulfatah (University College London)*; EMMANUEL BAMIDELE AYODELE (Niger Delta Power Holding Company (NDPHC))	Screen - 06
7	SPE-217240-MS	Balancing Energy Access in Sub-Saharan Africa - A Comparative Analysis of Energy Accessibility in Northern Africa and Sub-Saharan Africa	Michal C Ezeh (University of Lagos, Akoka.); Esuru R Okoroafor (Texas A&M)	Screen - 07
8	SPE-217259-MS	Machine Learning Models for Energy Prediction in a Low Carbon Building	Eddiong Uko Archibong (Dubai Aviation Corporation (Fyduball))*; Archibong Archibong-Eso (University of Birmingham); JAMES D ENYIA (Cross River University of Technology, Calabar, Nigeria)	Screen - 08
9	SPE-217182-MS	An assessment of the level of awareness and knowledge towards the dangers of climate change and energy transition: Northern Nigeria as a case study	HARUNA MUHD INUWA (Department of Mechanical & Automobile Engineering, School of Engineering and Technology, Sharda University)*; Abdullahi Usman (Department of Mechanical & Automobile Engineering, School of Engineering and Technology, Sharda University)	Screen - 09
10	SPE-217204-MS	The Future Perspective: GEOTHERMAL ENERGY in Nigeria. – An option to be Explored	Faith Mmesoma Kelechi (Department of Geology, University of Nigeria Nsukka)*; Oluwasijomi Owoka (SPE)	Screen - 10
Tuesday 1st August 2023:		Day - 1: Afternoon Session		
Chairpersons: ARTHUR BOUGHIA (SPDC)		Facilitators:		
SPE Paper No.	Paper Title	Author(s) and Affiliation		
1	SPE-217253-MS	Investigating Suitability of Microbial Derived Biosurfactant for Deaquefying Gas Well - An Experimental Approach	Obadegsin Abiodun Adeyemi (University of North Dakota)*; Adesina S Fadairo (University of North Dakota); Ling Kegang (University of North Dakota); Olusegun S Tomomowo (University of North Dakota); Adebawale Okadepo (Covenant University); Jeffrey Okojie (Covenant University); Sven Egenhoff (University of North Dakota)	Screen - 01
2	SPE-217141-MS	Energy, Exergy-Economics and Pinch Analyses of Butadiene Production Process from Sweet Sorghum	Muflah Q Omofowoya (Afe Babalola University, Ado Ekiti)*; Adekunle T ADENYI (Afe Babalola University, Ado Ekiti, Ekiti State, Nigeria); Abdulwahab GIWA (Afe Babalola University, Ado-Ekiti, Ekiti State, Nigeria)	Screen - 02
3	SPE-217162-MS	PERFORMANCE EVALUATION OF NANOCELLULOSE SYNTHESISED FROM YAM PEELS AS A FLUID LOSS ADDITIVE IN WATER BASED MUD	Khadijah S Ibrahim (Nile University of Nigeria)*; Petrus Nzerem (Nile University of Nigeria); Ayuba Salihu (Nile University of Nigeria); Dr. Abdullahi Gimba (Nile University of Nigeria); Oghenerume Ogolo (Nile University of Nigeria); Ajiri Otedheke (N); Rabiatu Adamu (Nile University of Nigeria); Aisha Karofi (Nile University of Nigeria)	Screen - 03
4	SPE-217164-MS	EVALUATION OF THE POTENTIAL OF WATERMELON RIND AS A PH ENHANCER FOR WATER-BASED DRILLING FLUID	Ayuba Salihu (Nile University of Nigeria)*; Ibrahim Sani (Nile University of Nigeria); Khadijah S Ibrahim (Nile University of Nigeria); Petrus Nzerem (Nile University of Nigeria); Dr. Abdullahi Gimba (Nile University of Nigeria)	Screen - 04
5	SPE-217209-MS	Evaluation of Groundnut Shell and Yam Peel as a Loss Circulation Control Material in Drilling	Yusuf Ishaq (Nile University of Nigeria); Ibechukwu S Okafor (Department of Petroleum and Gas Engineering, Nile University of Nigeria Abuja, Plot 681, Cadastral zone COO, Research and Institution Area Abuja, Federal Capital Territory, Nigeria); Petrus Nzerem (Nile University of Nigeria); Khaleel Jakada (Nile University of Nigeria)*; Ayuba Salihu (Nile University of Nigeria)	Screen - 05
6	SPE-217234-MS	Exploring the Feasibility of Implementing Polyalphaolefin (PAO) Lubricants as an Alternative Lubrication Solution in the Petroleum Industry	Oshogwe Mario Akpoghohem (UNIPORT)*	Screen - 06
7	SPE-217258-MS	The Development of Twin Digital Autonomous System for Directional Drilling	Joel Sekyi Mensah (University of Mines and Technology)*; Daniel Eileem Braimah (Kwame Nkrumah University of Science and Technology); Oswald Owusu-Asiedu Osei (University of Mines and Technology); Benjamin Okine-Quaye Amamoo (University of Mines and Technology); Richard Amarin (University of Mines and Technology); Japhet Kuntu Blankson (University of Mines and Technology)	Screen - 07
8	SPE-217180-MS	ENVIRONMENTAL IMPACT ASSESSMENT OF CURRENT SYNTHETIC DRILLING FLUIDS IN OFFSHORE OIL FIELDS USING MODIFIED CO2 EVOLUTION RESPIROMETRY TECHNIQUE	Adewale A J Folaran (University of Port Harcourt)*; ADEWALE DOSUNMU (UNIVERSITY OF PORTHARCOURT); Boniface Orji (University of Port Harcourt)	Screen - 08
9	SPE-217095-MS	Application of ANN-Based Proxy and Metaheuristic Algorithms in Well Spacing Optimization in a Fractured Tight Reservoir	*Prosper Anumah (University of Energy and Natural Resources)*; Saman Azadkhah (University of Regina)*	Screen - 09
10	SPE-217181-MS	Optimization of Two- and Three-Phase Separators Design	ADEOLA G DLUGBENGA (FUT MINNA)*; Anita E Ochayi (UnibaJu)	Screen - 10
Wednesday 2nd August 2023:		Day - 2: Morning Session		
Chairpersons: DANIEL ABIA (TotalEnergies)		Facilitators:		
SPE Paper No.	Paper Title	Author(s) and Affiliation		
1	SPE-217212-MS	Hydrodynamic Cavitation as Oil Pretreatment prior to Distillation	Collin Ajinomoh (Ahmadu Bello University); Raheem Momoh (Ahmadu Bello University); Juwon Jeremiah Maku (Ahmadu Bello University)*	Screen - 01
2	SPE-217229-MS	Performance of an SI Engine Operating on a Dual Gasoline and Liquefied Petroleum Gas (LPG) Fuel	Archibong Archibong-Eso (University of Birmingham)*; Eddiong Uko Archibong (Dubai Aviation Corporation (Fyduball)); JAMES D ENYIA (Cross River University of Technology, Calabar, Nigeria); Dosleye Igbong (Cross River University of Technology)	Screen - 02
3	SPE-217220-MS	Evaluation of the Ionic Liquid, 1-Butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide, as a Sustainable Material for Modern Energy Devices	Mujeeb O Kareem (Khalifa University)*	Screen - 03
4	SPE-217179-MS	Strategies for decarbonizing the oil and gas industry	Humphrey O Oruwari (Nigerian National Petroleum Corporation)*	Screen - 04
5	SPE-217186-MS	Decarbonisation of Offshore Oil & Gas Production Platforms a Case Study of the North Sea	Nteama Oluka (Robert Gordon University); Ibiye Iyalla (Robert Gordon University)*; Ruseiss Mahon (Robert Gordon University); Jesse Andrews (AMRE)	Screen - 05
6	SPE-217213-MS	Estimation and Sizing Analysis of a Renewable Energy System	HARUNA MUHD INUWA (Department of Mechanical & Automobile Engineering, School of Engineering and Technology, Sharda University)*; Auwal Abubakar (Igbinedion University)	Screen - 06
7	SPE-217214-MS	Evaluating the Potential of Renewable Energy to Address Energy Accessibility, Affordability, and Sustainability Challenges in Africa	Michal C Ezeh (University of Lagos, Akoka.); Tochi Henrietta Fidel-Aneke (Society of Petroleum Engineers); Prince Benard Ifeabi (SPE)	Screen - 07
8	SPE-217226-MS	Achieving Sustainable Energy Transition: what works in sub-Saharan Africa.	Faith Mmesoma Kelechi (Department of Geology, University of Nigeria Nsukka)*; Ogbodo Ikechukwu (Sulistia Centre for International Development and Research); Josephine Adah (Department of Civil Engineering, University of Nigeria Nsukka); Ayodaji Arisibala (Shell); Plus A Imorgemeh (Baker Hughes)	Screen - 08
9	SPE-217160-MS	Resolving Conflicting Recommendations in Investment Analysis	Lateef O Akintelu (University Of Ibadan)*	Screen - 09
10	SPE-217219-MS	Modified Straight-Line Depreciation Model for Upstream Petroleum Investment	Oghenerume Ogolo (Nile University of Nigeria)*; Ere Iyalla (Petroleum Technology Development Fund); Salihuudeen Tahir (Nigerian National Petroleum Corporation (NNPC)); Emeke Ibeagham (Innovationeering Ltd); Frank Egede (Petroleum Training Institute); Ayodele Obe (Belema Oil Producing Ltd)	Screen - 10
Wednesday 2nd August 2023:		Day - 2: Afternoon Session		
Chairpersons: JAMES AKINPELU (SPDC)		Facilitators:		
SPE Paper No.	Paper Title	Author(s) and Affiliation		
1	SPE-217117-MS	A DIGITIZED TOOL FOR WELL CANDIDATE SELECTION FOR MATRIX ACIDIZING IN SANDSTONE RESERVOIR	Wilfred C. Okolugome (Federal University of Petroleum Resources Effurun, Delta State)*; Juliet Onyereun (Federal University of Petroleum Resources Effurun, Delta State)	Screen - 01
2	SPE-217217-MS	Prediction of Thermal Conductivity of Rocks in Geothermal Field Using Machine Learning Methods: A Comparative Approach	Praise U Ekeopara (Federal University of Technology Owerri)*; Nwosu J Chinedu (University of Oklahoma); Faith Mmesoma Kelechi (Department of Geology, University of Nigeria Nsukka); Chinazor Nwadiaro (Federal University of Technology Owerri); Kimberly ThankGod (Federal University of Technology Owerri)	Screen - 02
3	SPE-217148-MS	Introducing Python Coding to Petroleum Engineering Undergraduates: Excerpts from a Teaching Experience	Olatunde O Mosobalaje (Covenant University)*; Oyinkepreye Orodu (Covenant University)	Screen - 03
4	SPE-217221-MS	Internet of things technology for photovoltaic smart sprinkler systems and its analysis	Chinyelum Ejimdu (Texas A&M University)*; Kingsley Okoli (Saint Petersburg Electrotechnical State University LETI); Lilian Uzodigbo (Bells University of Technology, Ota, Ogun State); Juliet Oluosola (Afe Babalola University, Ado-Ekiti, Ekiti State)	Screen - 04
5	SPE-217243-MS	Feasibility Study of thermal EOR techniques in Unconventional heavy oil Reservoirs in the Niger Delta: An Experimental and Numerical simulation approach.	Jude Dodo (Federal University of Technology, Owerri.); Christian C Ananefule (Federal University of Technology Owerri)*; Oyinkechunji Kwame (Federal University of Technology Owerri); Praise U Ekeopara (Federal University of Technology Owerri); Caleb Chiemiele Monsonagor (Federal University of Technology Owerri); Chibuzo C. Nwanne (Federal Polytechnic Nekede Owerri)	Screen - 05
6	SPE-217172-MS	Application of a Simulation Approach to Develop Erosional Velocity Correlation for Wells in Oil Rim Reservoirs in the Niger Delta	Seyeneefon Emmanuel Ukpong (University of Uyo)*; Aniefok Livinus (University of Uyo)	Screen - 06
7	SPE-217244-MS	EXPERIMENTAL STUDY ON THE EFFECT OF SODIUM CHLORIDE, CEMENT AND SILICA SAND CONTAMINATION IN WATER-BASED DRILLING MUD	Ayuba Salihu (Nile University of Nigeria)*; Maina Kashim (Nile University of Nigeria); Oghenerume Ogolo (Nile University of Nigeria); Ibechukwu S Okafor (Department of Petroleum and Gas Engineering, Nile University of Nigeria Abuja, Plot 681, Cadastral zone COO, Research and Institution Area Abuja, Federal Capital Territory, Nigeria); Terence Joseph Chior (Nile University of Nigeria Abuja)	Screen - 07
8	SPE-217242-MS	EFFECT OF COMPRESSOR WASHING ON THE PERFORMANCE OF INDUSTRIAL GAS TURBINE	JAMES D ENYIA (Cross River University of Technology, Calabar, Nigeria)*; Eddiong Uko Archibong (Dubai Aviation Corporation (Fyduball)); Archibong Archibong-Eso (University of Birmingham)	Screen - 08
9	SPE-217228-MS	Zeoilic Imidazole Frameworks for Super Selective Separation of Propylene from Propane	Tafseeqah A Agbaje (Khalifa University)*; Maryam Khaleel (Khalifa University of Science and Technology); Georgios Karanikolos (Khalifa University)	Screen - 09
10	SPE-217169-MS	Sedimentary Facies, Depositional Environment and Reservoir Quality of Group-B Shallow Classic Reservoir in the Malay Basin, Malaysia	Nahdathtunmissa Bashiron (Universiti Teknologi Malaysia); Suhaily Johari (2PETRONAS Carigali Sdn. Bhd. (PCSB)); Mohd Akhmal Sidek (Universiti Teknologi Malaysia); Augustine Agi (Universiti Teknologi Malaysia); Mohd Harris Ariffin (Universiti Kebangsaan Malaysia); Alaudin Supee (Universiti Kebangsaan Malaysia); Afeez Olayinka Gbadamosi (Universiti Teknologi Malaysia)*; Norida Ridzuan (Universiti Malaysia Pahang); Siti Qur'atu Aini Mahal (Universiti Malaysia Pahang)	Screen - 10
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