



17-19 FEBRUARY 2025 | EGYPT INTERNATIONAL EXHIBITION CENTER

TECHNICAL AND INNOVATION ADVANCES IN ENERGY

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BUILDING A SECURE AND SUSTAINABLE ENERGY FUTURE

The EGYPES 2025 Conferences help shape the future energy agenda to unlock the potential of the energy transition and drive sustainable production and climate-conscious practices. The EGYPES strategic dialogue focuses upon the need for a new global energy system, one that reduces reliance on single energy sources and supports supply and demand cycles globally. At the same time, the EGYPES technical programme provides enrichment from practical, scientific and innovative R&D to project management across the entire oil, gas and wider energy supply and value chains.

Seismic, multi-source data integration, innovative workflows and models are the foundation for interpreting and understanding the subsurface in order to explore for new hydrocarbon reserves. I am excited about the presentations related to these themes that you will see when you attend the Exploration of Conventional Resources stream at EGYPES 2025. The quality of the abstracts we received was extremely high and the final selection is a showcase of how novel and integrated approaches can bring value to your company, host countries and the industry.

IVAN CRABB Exploration and Development Director, Apache Corporation EGYPES 2025 Upstream: Exploration of Conventional Resources (CONV) Category Chairperson







EGYPES

STRATEGIC

CONFERENCE





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TECHNICAL AND INNOVATION **ADVANCES IN ENERGY**

At the intersection of innovation and expertise, the EGYPES Technical Conference occupies a central position within the Egyptian, African, and Mediterranean oil, gas, and wider energy landscape, serving as a hub of technical enrichment catering to engineers, technical experts, and digital champions.

With its comprehensive programme, the EGYPES 2025 Technical Conference is the ultimate platform for energy sector engineers to push the boundaries of excellence, to navigate the ever-evolving realms of cutting-edge innovative technologies and to showcase project expertise and technical insights. Delve deep into the latest advancements, best practices, and innovative solutionsthat are shaping the energy landscape.

ADDRESSING 20 TECHNICAL CATEGORIES



Downstream: Refining Technology, Operations and Marketing (REF)

Downstream: Petrochemicals

Upstream: Exploration of Conventional Resources (CONV)

Technology and Operations (PET)





Upstream: Exploration of Unconventional Resources (UNCONV)



Midstream: Infrastructure,

Transportation and Storage (MID)

Gas/LNG Processing, Operations and



Offshore and Marine Production, Technology and Operations (OM)



Energy Transition and Decarbonisation (ETD)

Digitalisation (DIGI)

Technology (GAS)



Hydrogen, Biofuels, Alternative Fuels, Nuclear and Renewable Energy (ALT)



Environmental Sustainability and Climate Change (ESC)

Energy Economics, Concession Agreements and Project Finance (FIN)



Health and Safety (HS)



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Project Management and Execution (PM)

Operational Excellence (OPEX)

People and Talent . Development (PPL)





Developments (GEOT)



Drilling (DR)

Completions (COMPL)

SESSIONS DREVIEW

PREVIEW							
	TIME	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	
17 FEBRUARY	<u>14:30 - 16:00</u>	SESSION 1 CATEGORY: GAS GHG management, gas flaring and carbon capture	SESSION 2 CATEGORY: HS Innovative AI and digital health and safety technologies	SESSION 3 CATEGORY: ALT Biofuel and bio energy: potential and utilisation	SESSION 4 CATEGORY: DIGI The digital twin revolution	SESSION 5 CATEGORY: OPEX Intelligent automation with AI and cost optimisation	
MONDAY 17	<u> 16:00 - 17:30</u>	SESSION 6 CATEGORY: GAS Gas processing optimisation and technology	SESSION 7 CATEGORY: HS Process safety: embedding good practice in major hazards management	SESSION 8 CATEGORY: ALT Sustainable engines, storage and electric vehicles	SESSION 9 CATEGORY: DIGI Transforming the energy industry by Al and machine learning	SESSION 10 CATEGORY: OPEX Innovative practises for operation and asset integrity	
	10:00 - 11:30	SESSION 11 CATEGORY: REF Refinery and petrochemical economics and integration	SESSION 12 CATEGORY: MID Pipeline management and storage solutions	SESSION 13 CATEGORY: ALT Advances in green hydrogen	SESSION 14 CATEGORY: DIGI Big data analytics and deep learning	SESSION 15 CATEGORY: FIN Financing energy transition and decarbonisation projects	
8 FEBRUARY	<u>11:30 - 13:00</u>	SESSION 16 CATEGORY: REF Petroleum products production, management and distribution	SESSION 17 CATEGORY: MID Shipping, logistics and infrastructure	SESSION 18 CATEGORY: ALT Sustainable aviation and synthetic fuel advances	SESSION 19 CATEGORY: DIGI Cybersecurity: protecting the digital world	SESSION 20 CATEGORY: ETD CCS and CCUS initiatives, technologies and case studies	
TUESDAY 18	<u>14:00 - 15:30</u>	SESSION 21 CATEGORY: PET Petrochemical operations and technologies	SESSION 22 CATEGORY: ESC Industry response to UN sustainable development goals	SESSION 23 CATEGORY: ALT Integrating and scaling renewable energy	SESSION 24 CATEGORY: DIGI Digital transformation initiatives and best practices	SESSION 25 CATEGORY: ETD Reducing carbon footprint and greenhouse (GHG) emissions	
	<u>15:30 - 17:00</u>	SESSION 26 CATEGORY: PET Reducing the petrochemical environmental footprint	SESSION 27 CATEGORY: ESC Industry initiatives for climate change	SESSION 28 CATEGORY: OM Offshore integrity management and innovative tech	SESSION 29 CATEGORY: PM Project management, risks and execution: cost reduction and optimisation	SESSION 30 CATEGORY: ETD Methane abatement and emissions management	
UARY	10:00 - 11:30	SESSION 31 CATEGORY: COMPL Well enhancements, technologies and strategies	SESSION 32 CATEGORY: ESC Embracing circular economy - RRRRR	SESSION 33 CATEGORY: CONV Impact of innovative seismic workflows and imaging	SESSION 34 CATEGORY: PPL Building a competitive future ready workforce	SESSION 35 CATEGORY: ETD Electrification technologies and best practices	
WEDNESDAY 19 FEBRUARY	<u>11:30 - 13:00</u>	SESSION 36 CATEGORY: DR Drilling technology innovation and digital solutions	SESSION 37 CATEGORY: ESC Management of produced water and direct air capture	SESSION 38 CATEGORY: CONV Unlocking potential through new data, new interpretation, new insights	SESSION 39 CATEGORY: FD Optimising mature field performance	SESSION 40 CATEGORY: ETD Decarbonising the energy value chain with low carbon tech	
	<u>14:00 - 15:30</u>	SESSION 41 CATEGORY: GEOT Geoscience technologies, surveys and data	SESSION 42 CATEGORY: ESC CSR programmes for biodiversity and environmental protection	SESSION 43 CATEGORY: UNCONV Unconventional resource strategies and applications	SESSION 44 CATEGORY: FD EOR and mature field performance enhancement	SESSION 45 CATEGORY: ETD Increasing renewable energies in the energy supply mix	

Downstream: Refining Technology, Operations and Marketing (REF)

- Category Chairperson: Morfoula Tsantekidou, Operator, Oil Supply & Sales, Operations Division, HELLENIC PETROLEUM RSSOPP
- Ahmed Khairat, Department Manager Operation, Egyptian Petrochemicals Holding Company (ECHEM)
- Amr Salah, General Manager Corporate Follow up Operation, Egyptian Petrochemicals Holding Company (ECHEM)
- Khaled Mansour, MPS Services ESG Sales Representative, SLB
 Sally Anwar, General Manager Companies Development -Operation, Egyptian Petrochemicals Holding Company (ECHEM)
- Wael Mokhtar, General Manager Business Development, Egyptian Petrochemicals Holding Company (ECHEM)

Downstream: Petrochemicals Technology and Operations (PET)

- Category Chairperson: Sally Anwar, General Manager Companies Development - Operation, Egyptian Petrochemicals Holding Company (ECHEM)
- Ahmed Abdulaal, Well Construction CEC, SLB
- Ahmed Khairat, Department Manager Operation, Egyptian Petrochemicals Holding Company (ECHEM)
- Amr Salah, General Manager Corporate Follow up Operation, Egyptian Petrochemicals Holding Company (ECHEM)
- Wael Mokhtar, General Manager Business Development, Egyptian Petrochemicals Holding Company (ECHEM)

Upstream: Exploration of Conventional Resources (CONV)

- Category Chairperson: Ivan Crabb, Exploration and Development Director, Apache Corporation
- Ahmed Rizk, Senior Geophysicist, Energean
- Ahmed Zaki, Senior Geophysicist, Energean
- Alexander Karvelas, MENA New Ventures Lead, SLB
- Aristotelis Pagoulatos, Geoscientists Department Manager, HELPE Upstream
- Moataz Nady, Exploration Technical Advisor, Eni
- Mohamed Farouk, Lead Geologist, United Energy Egypt
- Mohamed Souliman, Reservoir Technical Services Area Lead - Egypt & Sudan, Baker Hughes

Upstream: Exploration of Unconventional Resources (UNCONV)

- Category Chairperson: Ahmed Zaki, Senior Geophysicist, Energean
- Ahmed Lotfy, Deputy Exploration General Manager & Board Member, United Energy Egypt
- Ahmed Rizk, Senior Geophysicist, Energean
- Alexander Karvelas, MENA New Ventures Lead, SLB
- Ching Tu, Exploration Lead, Principal, SLB
- Juan Garcia Vaca, General Manager, EG Base Production, Apache Corporation
- Mayada Esmail, Consulting Lead, SLB

Egypt Energy Show

- Moataz Nady, Exploration Technical Advisor, Eni
- Tarik Abdelfattah, MENATI Region Director RTS, Baker Hughes

Gas/LNG Processing, Operations and Technology (GAS)

- Category Chairperson: Hamada Ahmad Mohamad, General Manager for Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)
- Lamiaa Abo Shahba, General Manager for Gas Market Activities, Egyptian Natural Gas Holding Company (EGAS)
- Saly Salah Nasr, General Manager for Business Intelligence and Decision
- Support, Egyptian Natural Gas Holding Company (EGAS)
- Tamer Abd ElSalam, General Manager, Production, EgyptianLNG

Midstream: Infrastructure, Transportation and Storage (MID)

- Category Chairperson: Chris Monk, General Manager, EG Midstream, Apache
 Corporation
- Ahmed Hamzawy, Midstream Sales & Commercial Manager, SLB
- Ahmed Sultan, Petrophysics Department Manager, Tharwa Petroleum Company
- Morfoula Tsantekidou, Operator, Oil Supply & Sales, Operations Division, HELLENIC PETROLEUM RSSOPP
- Hany Salah Ibrahim, Assistant General Manager for Studies of Gas Transmission & Distribution Plans, Egyptian Natural Gas Holding Company (EGAS)
- Khaled El-Gammal, General Manager for LNG/Gas Export and Import Activities and Facilities Follow up, Egyptian Natural Gas Holding Company (EGAS)
- Lamiaa Abo Shahba, General Manager for Gas Market Activities, Egyptian Natural Gas Holding Company (EGAS)

Offshore and Marine Production, Technology and Operations (OM)

- Category Chairperson: Ahmed Sultan, Petrophysics Department Manager, Tharwa Petroleum Company
- Ahmed Sorour, Technical Sales Engineer, SLB
- Mohamed ElMekkawy, Senior Engineering Lead, Baker Hughes

Energy Transition and Decarbonisation (ETD)

- Category Chairperson: Mohamed Bakr, MEA Regional Director - Climate Technology Solutions. Baker Hughes
- Azza Shelbaya, Commercial Manager, Shell
- Dimitrios Leventos, HSE & Sustainable Development Division, HELLENiQ ENERGY
- Hamada Ahmad Mohamad, General Manager for Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)
- Kamel El Kholy, OFS Account Manager, SLB
- Konstantinos Koutsogiannis, Director of Business Development, ASPROFOS Engineering
- Lamiaa Abo Shahba, General Manager for Gas Market Activities, Egyptian Natural Gas Holding Company (EGAS)
- Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi
- Nevine Hussein, Head of Planning, United Energy Egypt
- Saly Salah Nasr, General Manager for Business Intelligence and Decision Support, Egyptian Natural Gas Holding Company (EGAS)
- Yassin Rady, Senior Engineer, Energean

Hydrogen, biofuels, alternative fuels, nuclear and renewable energy (ALT)

- Category Chairperson: Lamiaa Abo Shahba, General Manager for Gas Market Activities, Egyptian Natural Gas Holding Company (EGAS)
- Carlo Snickars, Business Development Leader, Baker Hughes
- Kamel El Kholy, OFS Account Manager, SLB
- Manolis Markakis, Senior Director, Oil Supply and Sales, HELLENiQ ENERGY

Environmental Sustainability and Climate Change (ESC)

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- Category Chairperson: Sherif El-Tarabeishy, Egypt, Sudan & East Mediterranean IT & Sustainability Manager, SLB
- Dimitrios Leventos, HSE & Sustainable Development Division, HELLENIQ ENERGY
- Lama Alawami, Sales Manager, Baker Hughes
- Mahmoud Abdullatif, HSE Lead, Shell
- Mohamed ElBanhawy, HS&E Manager, bp
- Wael Amin, Head of HSE, United Energy Egypt

Energy Economics, Concession Agreements and Project Finance (FIN)

- Category Chairperson: Ahmed AbdelFattah, Vice President of Finance, United Energy Egypt
- Abdelkader Elbadry, Planning Manager, Petrobel
- Ahmed Sultan, Petrophysics Department Manager, Tharwa Petroleum Company
- Hossam El Din ElDandarawy, Middle East, Turkey and India Systems Engineering Manager, Baker Hughes

Digitalisation (DIGI)

- Category Chairperson: Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi
- Abdallah Wagdy, Sales Engineer & Digital Champion, SLB
- Bassem Nashaat, IT Manager, Energean
- Mahmoud Hegazy, Head of Operations, United Energy Egypt
- Mohamed Samir Saber, Senior Regional Sales Manager for Egypt and East Africa - Cordant Solutions, Baker Hughes
- Mostafa Kortam, Reservoir Engineering Supervisor, Petrobel

Health and Safety (HS)

- Category Chairperson: Mohamed ElBanhawy, HS&E Manager, bp
- Ahmed El Fiki, Senior Operations Geophysicist, Shell
- Mohamed Hanno, Responsible Care Manager, Methanex Egypt
- Ramy Khallaf, Global HSE Integration Leader, Baker Hughes
- Taher Patwa, EH&S Senior Manager, Apache Corporation
- Wael Amin, Head of HSE, United Energy Egypt
- Yasser Hassan, Safety & Environment Manager, Shell

Project Management and Execution (PM)

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Company

- Category Chairperson: Ashay Sharma, Project Director, Baker Hughes
- Abdelkader Elbadry, Planning Manager, Petrobel
- Mohamed Abdel Monsef, Production Manager, United Energy Egypt
- Yaser El Sawy, General Manager Maintenance, EgyptianLNG

Operational Excellence (OpEx)

· Ashay Sharma, Project Director, Baker Hughes

 Category Chairperson: Mohamed Abdelhady, Production and Fields General Manager, Khalda Petroleum Company

Ahmed Ezz, General Manager, Operations Excellence, EgyptianLNG

· Mahmoud Hegazy, Head of Operations, United Energy Egypt

• Ahmed Sultan, Petrophysics Department Manager, Tharwa Petroleum

People and Talent Development (PPL)

- Category Chairperson: Ahmed Maher, Rashpetco HR Consultant, Shell
- Eyas Qatanani, Global HR Executive Director IET, Baker Hughes
- Mostafa Kortam, Reservoir Engineering Supervisor, Petrobel
- Samar Wagih, General Manager, HR, EgyptianLNG
- Shorouk Kandil, GeoUnit Recruiting Manager, SLB
- Wafaa Tantawy, Head of Human Resources, United Energy Egypt

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Geoscience: Upstream Technology Developments (GEOT)

- Category Chairperson: Moataz Nady, Exploration Technical Advisor, Eni
- Ahmed Baghdadi, Lead Geomechanics Specialist, Baker Hughes
- Ahmed El Fiki, Senior Operations Geophysicist, Shell
- Ramy Ragab, Geoscience Lead, SLB

Oil and Gas Field Development (FD)

- Category Chairperson: Darius Shahsavari, Senior Vice President, IPR Energy Group
- Adel El Sabagh, PE and Exploration Manager Rashpetco, Shell
- Ahmed Rabie, Senior Specialist Reservoir Engineering, United Energy Egypt
- Brian Hradecky, General Manager and Managing Director, Khalda Petroleum Company
- Mayada Esmail, Consulting Lead, SLB
- Mohamed Abdelhady, Production and Fields General Manager, Khalda Petroleum Company
- Osama Shalaby, ALS Leader Egypt and Sudan, Baker Hughes

Drilling (DR)

- Category Chairperson: Moataz Moussa, Drilling Manager, United Energy Egypt
- Abdalla Abouelazm, Digital Drilling Manager, SLB
- Ahmed Abdelfattah, Drilling Services and LWD SDM, Baker Hughes
- Mohamed Dahab, Well Engineer, Shell

Completions (COMPL)

- Category Chairperson: Mohamed Samir, Petroleum Engineering Manager, IPR Energy Group
- Ahmed Sorour, Technical Sales Engineer, SLB
- Mohamed Abdelhady, Production and Fields General Manager, Khalda Petroleum Company
- Mohamed Atwa, Engineering General Manager, United Energy Egypt
- Mostafa Ashraf, Sales Account Manager Completion Services, Baker Hughes
- Tahir Tahirov, Completions Engineering Manager (DL), bp

MONDAY 17 FEBRUARY 2025



CATEGORY: GAS/LNG PROCESSING, OPERATIONS AND TECHNOLOGY (GAS)

SESSION: 1

TITLE: GHG MANAGEMENT, GAS FLARING AND CARBON CAPTURE

LOCATION: ROOM 1

CO-CHAIRS

Hamada Ahmad Mohamad, General Manager for Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)

Tamer Abd ElSalam, General Manager, Operations Excellence, EgyptianLNG



CATEGORY: HEALTH AND SAFETY (HS)

SESSION: 2 TITLE: INNOVATIVE AI AND DIGITAL HEALTH AND SAFETY TECHNOLOGIES

LOCATION: ROOM 2

CO-CHAIRS

Taher Patwa, General Manager, EG Upstream, Apache Corporation

Wael Amin, Vice President of Finance, United Energy Egypt

	PRESENTATION TITLES AND SPEAKERS			
14:30-14:50	GHG management Amr Hisham Mohamed Ramadan, HSE Engineer, Pharaonic Petroleum Company (PhPC)		14:30-14:50	Enhancing health and safety in industrial operations through Gen Al (large language models)-powered CCTV surveillance systems Ashwini Kumar, Associate Director, Hexagon
14:50-15:10	Economic study for using GTL technology for flare gas recovery Hassan Radwan, Assistant General Manager for Operation, Tanmia		14:50-15:10	Strategic approaches to occupational health risks management in the Middle East and Africa's oil & gas sector Nosa Aihie, Regional Medical Director, Middle East, Europe, International SOS
15:10-15:30	Hydrogen production and carbon capture with membrane separation Zachary Foss, Director of Business Development, Divigas		15:10-15:30	Novel, sustainable innovations in healthcare technology Marika Crohns, CEO, Impactful Innovations Management Consultants LLC
15:30-15:50	Non-routine gas flaring reduction from pipelines with latest technological developments in gas processing area Venkata Madhusudana Rao Kapavarapu, Specialist-Process Engineering, Kuwait Oil Company		15:30-15:50	Innovative drone solutions for long- range inspection & supply transfer: enhancing safety, efficiency, and cost-effectiveness Shahrzad Banouei, CEO, Armada Defence Corp

MONDAY 17 FEBRUARY 2025

CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR AND RENEWABLE ENERGY (ALT)

SESSION: 3

TITLE: BIOFUEL AND BIO ENERGY: POTENTIAL AND UTILISATION

LOCATION: ROOM 3

CO-CHAIRS

Ahmed AbdelFattah, Vice President of Finance, United Energy Egypt

Hany Salah Ibrahim, Assistant General Manager for Studies of Gas Transmission & Distribution Plans, Egyptian Natural Gas Holding Company (EGAS)

PRESENTATION TITLES AND SPEAKERS

14:30-14:50	Bioenergy potential and GHG emissions reduction potential from agricultural biowastes (AGBs) in Egypt Abeer Mohamed, Master Student, University of Science and Technology Beijing (USTB)
14:50-15:10	Conversion of waste cooking oils to biodiesel fuel from smart idea to monetisation action Mohamed Dwiedar, Department Manager of Reservoir Surveillance, Egyptian General Petroleum Corporation (EGPC)
15:10-15:30	Techno-economic study for biogas plant in Egypt (case study in Alexandaria Governorate) Omar Abdullazez, Engineering Assistant Manager, Alexandria National Refining & Petrochemicals Co. (ANRPC)
15:30-15:50	Utilisation of biodiesel as an alternative fuel in the mining industry Chahira M. Taymour A. Hassib, Assistant General Manager, Senior Project Manager, Engineering for Petroleum and Process (Enppi)



CATEGORY: DIGITALISATION (DIGI)

SESSION: 4

TITLE: THE DIGITAL TWIN REVOLUTION

LOCATION: ROOM 4

CO-CHAIRS

Abdallah Wagdy, Sales Engineer & Digital Champion, SLB

Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi

14:30-14:50	35% oil increase for gas lift platform using transient modelling approach Mohamed Eldessouky, District Engineering Section Head, Gulf of Suez Petroleum Company (GUPCO)
14:50-15:10	Digital twins using 3D laser scanning in the oil and gas industry Ashraf Talaat M. Abdallah, CEO, Elmassa Consult
15:10-15:30	Fast and easy reporting of leakages in refinery pipelines and assets with photorealistic digital twins Adrian Merkel, CEO, FRAMENCE GmbH
15:30-15:50	From industrial facilities to city- wide digital twins: advancing towards reality digital twins with cutting-edge technology – real mega projects case studies Mohamed Elhabiby, CEO, Micro Engineering Group

MONDAY 17 FEBRUARY 2025



CATEGORY: OPERATIONAL EXCELLENCE (OPEX)

SESSION: 5

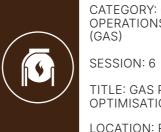
TITLE: INTELLIGENT AUTOMATION WITH AI AND COST OPTIMISATION

LOCATION: ROOM 5

CO-CHAIRS

Ashay Sharma, Lead Geomechanics Specialist, Baker Hughes

Mohamed Abdelhady, Production and Fields General Manager, Khalda Petroleum Company



CATEGORY: GAS/LNG PROCESSING, OPERATIONS AND TECHNOLOGY (GAS)

TITLE: GAS PROCESSING OPTIMISATION AND TECHNOLOGY

LOCATION: ROOM 1

CO-CHAIRS

Hamada Ahmad Mohamad, General Manager for Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)

Saly Salah Nasr, General Manager for Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)

	PRESENTATION TITLES AND SPEAKERS				
14:30-14:50	4:30-14:50 Facility enhancements to eliminate trucking, optimise oil treatment and achieve cost optimisation Mohamed Atwa, Engineering General Manager, United Energy Egypt		16:00-16:20	a depleted gas reservoir for underground gas storage feasibility: A case study from Nile Delta Saly Salah Nasr, General Manager of Business Intelligence and	
14:50-15:10	evaluating the efficacy of AI algorithms in lithology prediction utilising drilling and LWD data analysis Mohamed Hanafy, Geological Operations Assistant General Manager, AMAPETCO			Decision Support, Egyptian Natural Gas Holding Company (EGAS)	
			16:20-16:40	Dehydration optimisation at low feed gas rates Ahmed Khattab, Senior Process Engineer, Egyptian Liquefied Natural Gas (ELNG)	
15:10-15:30			16:40-17:00	Enhancing sustainability and efficiency in gas dehydration: smart optimisation of molecular sieve unit regeneration Ibrahim Aboulazm, Process Engineer, WASCO	
15:30-15:50	Al-driven optimisation of service delivery in oil and gas Hazem Fetouh, Regional Projects Director, Baker Hughes		17:00-17:20	Fenton technology solution for sour water containing high dissolved solids Shailesh Shirsagar, Process Manager, Wood PLC	

MONDAY 17 FEBRUARY 2025

CATEGORY: HEALTH AND SAFETY (HS)

SESSION: 7

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TITLE: PROCESS SAFETY: EMBEDDING GOOD PRACTICE IN MAJOR HAZARDS MANAGEMENT

LOCATION: ROOM 2

CO-CHAIRS

Mohamed ElBanhawy, HS&E Manager, bp

Yasser Hassan, Safety & Environment Manager, Shell

PRESENTATION TITLES AND SPEAKERS

	16:00-16:20	Contribution of "Artificial Intelligence-based model" for determining the risk reduction factor of "safety instrumented system used in oil and gas industry" to improve safety, reduce costs and human efforts Ahmed Aburawwash, Field Maintenance Manager, Offshore Shukheir Oil Company (OSOCO)				
	16:20-16:40	Management of safety and environmental critical elements (SECE) in mature assets Mohamed Saad, Technical Safety Engineer, EniProgetti Egypt				
	16:40-17:00	Assuring competence of front-line barrier management staff Ali Qabel, Manager, Technical Competence Management TCM, Egyptian Liquefied Natural Gas (ELNG)				
	17:00-17:20	Safety case implementation Mourad Hasssan, Responsible Care & PSM Senior Advisor, Methanex				



CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR AND RENEWABLE ENERGY (ALT)

SESSION: 8

TITLE: SUSTAINABLE ENGINES, STORAGE AND ELECTRIC VEHICLES

LOCATION: ROOM 3

CO-CHAIRS

16:00-16:20	Concept of electrolysis ship for green hydrogen production with storage facility and its possible applications Pramod Kumar Mallya, Head-Marine Classification Services, Capital Register of Shipping
16:20-16:40	Enhancing fuel efficiency and reducing emissions with an innovative on-demand hydrogen generation system for internal combustion engines Alok Kumar, Founder, Saarthi GreenTech Private Limited
16:40-17:00	Innovations in flywheel energy generation, distribution, and storage. The PHOSGlobal - Southern University at Shreveport, LA - Northwestern State University at Natchitoches, LA initiative John Galiotos, Dean Workforce Development & Associate Professor of Chemistry, Southern University at Shreveport
17:00-17:20	New electric systems for electric vehicles supply and charging Ayman Khoshouey, Assistant General Manager, Gulf of Suez Petroleum Company (GUPCO)

MONDAY 17 FEBRUARY 2025



CATEGORY: DIGITALISATION (DIGI)

SESSION: 9

TITLE: TRANSFORMING THE ENERGY INDUSTRY BY AI AND MACHINE LEARNING

LOCATION: ROOM 4

CO-CHAIRS

Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi

Ashay Sharma, Lead Geomechanics Specialist, Baker Hughes

Baker Hughes				alda Petroleum Company
PRESENTATION TITLES AND SPEAKERS				
16:00-16:20	Al seismic interpretation: the key to subsurface interpretation Harry Whittaker, Customer Support Geoscientist, Geoteric		16:00-16:20	Cost-effective low-flow multiphase gas handler on a depleted mature field in Ecuador increases production by 20% and improves ESP performance by 6%
16:20-16:40	Role of machine learning (ML) and artificial intelligence (AI) in petrophysics: bane or boon? Sujit Sarkar Kumar, Senior Petrophysicist, SLB			Jose Alvear, CEC, SLB
			16:20-16:40	Gas supply optimisation via comprehensive network modelling encompassing gas business value
16:40-17:00	Digitalisation modern technologies – artificial intelligence (AI), robotics, virtual reality (VR), augmented reality (AR), mixed reality, blockchain for			chain Sukrut Kulkarni, Manager Network Simulation, Petroliam Nasional Berhad (PETRONAS)
	integrated asset management model Abikoye Oluwatosin Aweni Moradeyo, Petroleum Engineer, Nigerian Midstream and Downstream Petroleum Regulatory Authority		16:40-17:00	Enhancing asset reliability with a tailored corrosion management chemical programme to protect hydrotreating units from high chloride contaminants that can't be removed in a desalter Arindam Roy, Industrial Technical
17:00-17:20	Enhancing energy facilities efficiency with artificial intelligence solutions: the new integrated approach Ahmed EI-Gohary, CEO & Co- Founder, Seer Intelligent Solutions			Consultant, Nalco Water an Ecolab Company
			17:00-17:20	Power transformer bottleneck resolution for grid expansion Mohamed Nagdy, Portfolio and Market Application Manager, Siemens Energy

TUESDAY 18 FEBRUARY 2025

CATEGORY: DOWNSTREAM: REFINING TECHNOLOGY, OPERATIONS AND MARKETING (REF)

SESSION: 11

TITLE: REFINERY AND PETROCHEMICAL ECONOMICS AND INTEGRATION

LOCATION: ROOM 1

CO-CHAIRS

Morfoula Tsantekidou, Operator, Oil Supply & Sales, Operations Division, HELLENIC PETROLEUM RSSOPP

PRESENTATION TITLES AND SPEAKERS

10:00-10:20	Crude oil to chemicals: strategic future of refineries Mohamed Atia, Process Engineer, Egyptian Refining Company (ERC)
10:20-10:40	Harnessing renewables for a low- carbon petrochemical feedstock value chain Mahmoud Eid, Chemical Engineer, IEPS
10:40-11:00	Driving decarbonisation: Schneider Electric and Bain Company's innovative approach to refinery assessment and sustainability transformation Renato Finol, Sustainability & Net Zero Operations Solution Architect, Schneider Electric
11:00-11:20	Innovative SMR catalysts help to enhance the performance of conventional steam reformer Ali Keshawy, Technical Sales Manager, Unicat Catalyst Technologies LLC

CATEGORY: OPERATIONAL

TITLE: INNOVATIVE PRACTISES FOR

OPERATION AND ASSET INTEGRITY

EXCELLENCE (OPEX)

LOCATION: ROOM 5

CO-CHAIRS

Mohamed Abdelhady, Production and Fields General

SESSION: 10

Mahmoud Hegazy, Head of Operations,

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United Energy Egypt



CATEGORY: MIDSTREAM: INFRASTRUCTURE, TRANSPORTATION AND STORAGE (MID)

SESSION: 12

TITLE: PIPELINE MANAGEMENT AND STORAGE SOLUTIONS

LOCATION: ROOM 2

CO-CHAIRS

Lamiaa Abo Shahba, General Manager for Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)

Ahmed Hamzawy, Midstream Sales & Commercial Manager, SLB

10:00-10:20	Storage solutions for oil, gas, and hydrogen: tanks and tankers Mariam Yassin, Sustainable Manufacturing Technologies Assistant General Manager, Egyptian Petrochemicals Holding Company (ECHEM)
10:20-10:40	Underground energy storage solutions for sustainable development Altaf Usmani, DGM - Technical, Engineers India Ltd.
10:40-11:00	Unravelling the complexities of AC and DC currents: a pipeline integrity perspective lan Kinnear, Product Manager, GPT Industries
11:00-11:20	Pressure relief protection strategies for LNG/NH3 cryogenic storage tanks Matthew Cooper, Corporate Regional Manager, PROTEGO - Braunschweiger Flammenfilter GmbH



CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR AND RENEWABLE ENERGY (ALT)

TITLE: ADVANCES IN GREEN HYDROGEN

LOCATION: ROOM 3

CO-CHAIRS

Carlo Snickars, Project Director, Baker Hughes

Kamel El Kholy, OFS Account Manager, SLB



CO-CHAIRS

Mahmoud Hegazy, Head of Operations, United Energy Egypt

Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi

PRESENTATION TITLES AND SPEAKERS				
10:00-10:20	Transformation of petroleum ports to green hydrogen hubs business approach and case study Mohamed Elbana, Projects Section Head, Egyptian Natural Gas Company (GASCO)		10:00-10:20	Augmented learning parameter advisor for wellbore domain interpretations Karim Rekik, Wellbore Interpretation Analyst, SLB
 10:20-10:40 Technical advancements and economic implications of green hydrogen for decarbonisation and climate mitigation Luigi Caffa, President and CEO, Made Engineering & Environment Venture Limited 10:40-11:00 Variable green ammonia / green hydrogen production based on variable renewable energies Sven Goethals, Commercial Director Hydrogen and Decarbonization, Tractebel 			10:20-10:40	Physics-based artificial intelligence combined with agile reservoir modelling improved the opportunity identification in a mature gas condensate Amr Labib, Reservoir Engineering Assistant General Manager, Abu Qir Petroleum Company
		10:40-11:00	Predicting the scale deposition of barium and strontium sulphates using novel artificial neural network algorithms Mohamed Askar, Well Integrity Engineer, Gulf of Suez Petroleum Company (GUPCO)	
11:00-11:20	Revolutionising green ammonia logistics: floating terminal and bunkering Yann Chapel, Project Manager, Louis Dreyfus Armateurs		11:00-11:20	Machine learning (ML) algorithms using Python code and its applications in petroleum geology approach (lithology identification and sonic log prediction) Hassan Magdy, Geologist Department Manager,

TUESDAY 18 FEBRUARY 2025

CATEGORY: ENERGY ECONOMICS, CONCESSION AGREEMENTS AND PROJECT FINANCE (FIN)

SESSION: 15

,S

TITLE: FINANCING ENERGY TRANSITION AND DECARBONISATION PROJECTS

LOCATION: ROOM 5

CO-CHAIRS

Abdelkader Elbadry, Planning Manager, Petrobel

Hossam El Din ElDandarawy, Middle East, Turkey and India Systems Engineering Manager, Baker Hughes

PRESENTATION TITLES AND SPEAKERS

10:00-10:20	Gas production shortage, LNG imports and gas pricing – how to solve the challenges facing the gas business in Egypt? Nagy Iskander, CEO, ISKAGAS For Consultancy Company
10:20-10:40	M&A and A&D market update with a focus on the North Africa region Mark Llamas, Managing Director and Co-Founder, LAB Energy Advisors
10:40-11:00	Empowering change: financing the energy transition towards a sustainable future Ismail Abumettleq, Business Development Manager, Siraj Power
11:00-11:20	Technical and assurance challenge associated with different partnership models on projects Ibrahim El Sihamy, Assistant General Manager of Finance, ETHYDCO

Agiba Petroleum Co.



CATEGORY: DOWNSTREAM: REFINING TECHNOLOGY, OPERATIONS AND MARKETING (REF)

SESSION: 16

TITLE: PETROLEUM PRODUCTS PRODUCTION, MANAGEMENT AND DISTRIBUTION

LOCATION: ROOM 1

CO-CHAIRS

Morfoula Tsantekidou, Operator, Oil Supply & Sales, Operations Division, HELLENIC PETROLEUM RSSOPP

11:30-11:50	Integrated digital monitoring and control system for the distribution and transportation of fuel Mahmoud Mazhar, Genaral Manager Assistant, Support and Follow-Up, Automated Control and Monitoring Systems, Egyptian General Petroleum Corporation (EGPC)
11:50-12:10	Wetstock management solutions for risk & loss management at fuel stations Tim Firkins, Senior Business Development Manager, Dover Fueling Solutions
12:10-12:30	Optimisation of petroleum products blending at production line, site level or multi-site scale Nicolas Vairyo, EMEA Region General Manager – ABB Blending and Formulation, ABB
12:30-12:50	Smart & multifunctional Tubacoat technology for capex, opex reduction, decarbonisation and biofuels production in refining and petrochemical applications Sanjay Lodha, Global Business Director, Tubacex



CATEGORY: MIDSTREAM: INFRASTRUCTURE, TRANSPORTATION AND STORAGE (MID)

SESSION: 17

TITLE: SHIPPING, LOGISTICS AND INFRASTRUCTURE

LOCATION: ROOM 2

CO-CHAIRS

Hamada Ahmad Mohamad, General Manager for Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)



CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR AND RENEWABLE ENERGY (ALT)

TITLE: SUSTAINABLE AVIATION AND SYNTHETIC FUEL ADVANCES

LOCATION: ROOM 3

CO-CHAIRS

Carlo Snickars, Business Development Leader, Baker Hughes

	PRESENTATION TI	TLE	S AND SPEA	KERS
11:30-11:50	Design of high-pressure gaseous hydrogen vessel for cyclic service using fracture mechanics approach Ahmed AbdulRahman, Country Manager, Fluid Codes		11:30-11:50	Producing sustainable aviation fuel (SAF) from used cooking oil (UCO) in Egypt: opportunities and challenges Tarek Elshennawy, Energy Manager, Alexandria National Refining & Petrochemicals Co. (ANRPC)
11:50-12:10	Embracing a safe and sustainable maritime future: leveraging smart			
	shipping and autonomous vessels in Africa Ayodeji Oyinloye, Marine Sustainability Advisor, Natural Eco- Capital		11:50-12:10	SAF technologies and production challenges on TEN status of art Francesco Cammarata, General Manager, Technip Energies
12:10-12:30	Computational predictions of permeability, diffusivity & weld structural integrity in hydrogen transport pipelines Omar ElSebeiy, Senior Operation Engineer, Egyptian Natural Gas Company (GASCO)		12:10-12:30	Bio-diesel synthesis from WVO through ultrasonic technology and its usage as sustainable aviation fuel (SAF) Mohamed Al Naggar, Assistant - 1st Undersecretary for HSE, EE, & Climate, Egypt Ministry of Petroleum
12:30-12:50	Optimising infrastructure for efficient midstream transportation and storage Ahmed Algizawy, Engineer, DFC		12:30-12:50	The role of synthetic fuels in a diversified energy landscape Nora Zidan, Catalyst and Polymer Technology Senior Engineer, Egyptian Petrochemicals Holding Company (ECHEM)

TUESDAY 18 FEBRUARY 2025

CATEGORY: DIGITALISATION (DIGI)

SESSION: 19



TITLE: CYBERSECURITY: PROTECTING THE DIGITAL WORLD

LOCATION: ROOM 4

CO-CHAIRS

Mohamed Samir Saber, Senior Regional Sales Manager for Egypt and East Africa - Cordant Solutions, Baker Hughes

Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi

PRESENTATION TITLES AND SPEAKERS

11:30-11:50	Implementing a cybersecurity solution for an existing facility Assem Abdou, EIC Superintendent, Methanex
11:50-12:10	Industrial cyber-physical systems (ICPS) and their cybersecurity challenges in the offshore oil and gas industry Abubakar Mohammed, Manager, Nigerian Upstream Petroleum Regulatory Commission
12:10-12:30	Implications of digitalisation on operational technology (OT) cybersecurity and technologies to secure OT environments Tahseen Saber, Instrument and Control Engineer, Egyptian Maintenance Company
12:30-12:50	OT cybersecurity strategies for autonomous energy operations Mohammed Saad, Founder and Chief Executive Officer, InnovAKT LLC



CATEGORY: ENERGY TRANSITION AND DECARBONISATION (ETD)

SESSION: 20

TITLE: CCS AND CCUS INITIATIVES, TECHNOLOGIES AND CASE STUDIES

LOCATION: ROOM 5

CO-CHAIRS

Kamel El Kholy, OFS Account Manager, SLB

Nevine Hussein, Head of Planning, United Energy Egypt

11:30-11:50	CCUS CO2 injection well design using cloud-based software Mohamed Ali Hassan, Senior Advisor, Oliasoft AS
11:50-12:10	Exploring safety and integrity challenges for carbon capture, utilisation and storage systems onboard marine vessels or offshore facilities Ahmed Elkady, Graduate Research Assistant, Texas A&M University
12:10-12:30	Addressing uncertainty in CO2 injection: an integrated approach for depleted reservoirs Bernardo Bohórquez Lairet, Senior Reservoir Engineer, Rock Flow Dynamics
12:30-12:50	Carbon capture and sequestration feasibility study for Pliocene and upper Messinian in West Delta Deep Marine, offshore Nile Delta, Egypt Shaker Latif Nasr, Senior Geologist, Rashid Petroleum Company (Rashpetco)



CATEGORY: DOWNSTREAM: PETROCHEMICALS TECHNOLOGY AND OPERATIONS (PET)

SESSION: 21

TITLE: PETROCHEMICAL OPERATIONS AND TECHNOLOGIES

LOCATION: ROOM 1

CO-CHAIRS

Ahmed Khairat, Department Manager - Operation, Egyptian Petrochemicals Holding Company (ECHEM)

Hany Salah Ibrahim, Assistant General Manager for Studies of Gas Transmission & Distribution Plans, Egyptian Natural Gas Holding Company (EGAS)



CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)

TITLE: INDUSTRY RESPONSE TO UN SUSTAINABLE DEVELOPMENT GOALS

LOCATION: ROOM 2

CO-CHAIRS

Mahmoud Abdullatif, HSE Lead, Shell

Ivan Crabb, Exploration and Development Director, Apache Corporation

	PRESENTATION TI	TLE	ES AND SPEA	KERS
	Optimisation model for polymer production scheduling Aurelio Ferrucci, Executive Vice President, Prometheus SRL Effect of UV stabilisers on the mechanical properties of		14:00-14:20	Forecasting global energy consumption: implications for achieving the United Nations Sustainable Development Goals Peter Pflaumer, Professor Emiritus, Technical University of Dortmund, Department of Statistics
	polyethylene Ahmed Balbaa, Sector Manager at Polyethylene General Department, Sidi Kerir Petrochemicals Company (SIDPEC)		14:20-14:40	·
14:40-15:00	Transforming refinery off-gas into petrochemical feedstock – a pathway to increased capacity and profitability Mohamed El Yamani, Process Engineer, Egyptian Projects Operation and Maintenance (EPROM)			Amr Tawfik, GM-QEHS Division, Engineering for Petroleum and Process (Enppi)
			14:40-15:00	Realtime ESG & SDG reporting Ahmed El Naggar, Chief Business Director, Gebx Technology Solutions
15:00-15:20	Comparative economic analysis of methanol production strategies: identifying the most cost-effective feedstock Abdullah Elsheikh, Assistant Lecturer, Suez University		15:00-15:20	National oil companies as champions of local development Ali Almoghazy, Doctoral Researcher, University of Helsinki

TUESDAY 18 FEBRUARY 2025

CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR AND RENEWABLE ENERGY (ALT)

SESSION: 23

TITLE: INTEGRATING AND SCALING RENEWABLE ENERGY

LOCATION: ROOM 3

CO-CHAIRS

Carlo Snickars, Business Development Leader, Baker Hughes

Hossam El Din ElDandarawy, Middle East, Turkey and India Systems Engineering Manager, Baker Hughes

PRESENTATION TITLES AND SPEAKERS

14:00-14:20	How to manage green energy in O&G plants to ensure continuity of production Hussein Ibrahim Hamed, Africa Vice President - Energies & Chemicals, Schneider Electric
14:20-14:40	Greenify the fossil fuel value chain Khaled Azab, Senior Business Development Manager, TAQA Arabia
14:40-15:00	Revolutionising solar energy: Janta Power's innovative vertical scaling technology Adam Boudissa, Finance Officer, Janta Power
15:00-15:20	SEWAT - sustainable energy by waves trap or hydroelectric energy at sea Giulio Teodoro Maellaro LLC, Engineer, Global Engineering Constructions (GECO)



CATEGORY: DIGITALISATION (DIGI)

SESSION: 24

TITLE: DIGITAL TRANSFORMATION INITIATIVES AND BEST PRACTICES

LOCATION: ROOM 4

CO-CHAIRS

Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi

Mostafa Kortam, Reservoir Engineering Supervisor, Petrobel

14:00-14:20	Combining digital capabilities, advisory services, and innovative solutions to address OGMP 2.0 Daniele Porciani, Digital & Outcome Based Services Technical Sales Manager, Baker Hughes
14:20-14:40	Empowering asset integrity, reliability, and safety through in-house digital solutions Sadeq Alhalal, Lead Predictive Maintenance Tech, Saudi Aramco
14:40-15:00	A paradigm shift in asset maintenance: novel industrial GenAl- powered DataOps solution that transformed oil and gas maintenance and operations Ishita Mathur, Production Engineer, SLB



CATEGORY: ENERGY TRANSITION AND DECARBONISATION (ETD)

SESSION: 25

TITLE: REDUCING CARBON FOOTPRINT AND GREENHOUSE (GHG) EMISSIONS

LOCATION: ROOM 5

CO-CHAIRS

Saly Salah Nasr, General Manager for LNG/Gas Export and Import Activities and Facilities Follow up, Egyptian Natural Gas Holding Company (EGAS)

Yassin Rady, Senior Engineer, Energean



CATEGORY: DOWNSTREAM: PETROCHEMICALS TECHNOLOGY AND OPERATIONS (PET)

TITLE: REDUCING THE PETROCHEMICAL ENVIRONMENTAL FOOTPRINT

LOCATION: ROOM 1

CO-CHAIRS

Wael Mokhtar, General Manager - Business Development, Egyptian Petrochemicals Holding Company (ECHEM) Ahmed Ezz, General Manager, Operations Excellence, EgyptianLNG

	PRESENTATION T	TLE	ES AND SPEA	KERS
14:00-14:20	A novel process system for recovering energy, water and nitrogen resources from exhaust flue gases Hussain Albayat, Electrical & Digital Transformation Engineer, Saudi Aramco		15:30-15:50	Green horizons: pioneering bio-based polyethylene production in Egypt Mohamed Mousa, Senior Project Manager, Alexandria National Refining & Petrochemicals Co. (ANRPC)
14:20-14:40	14:20-14:40 Production and water injection operations in oil field and their impact on GHG emissions Mohammad Zahran, Planning General Manager, Dragon Oil		15:50-16:10	Innovative recycled high-density polyethylene/waste glass powder composite with remarkable mechanical, thermal, and recyclable properties for technical applications
14:40-15:00	Transformer digital maintenance strategy for zero carbon society Thomas Kessler, Global Portfolio and Market Application Manager, Siemens Energy Global GmbH &			Abdel-Rahman AboKhateeb, Labs & Researches Department Head, The Egyptian Ethylene and Derivatives Co. (ETHYDCO)
15:00-15:20	Co. KG Unveiling the future of safe and eco- friendly flaring post-well operations: introducing the eco-burner system for zero flaring and 100% recovery Abdullah AI-Enezi, Senior Well Surveillance Engineer, Kuwait Oil Company		16:10-16:30	The benefits of using recycled EPDM Nehal Elwy, Contracts General Manager, Natural Gas Vehicles Co.
			16:30-16:50	Plastics market in Egypt and opportunities for transition to renewables and sustainability Ihab Yahia, Products Survey and Pricing Sector Head, Sidi Kerir Petrochemicals Company (SIDPEC)

TUESDAY 18 FEBRUARY 2025

CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)

SESSION: 27

TITLE: INDUSTRY INITIATIVES FOR CLIMATE CHANGE

LOCATION: ROOM 2

CO-CHAIRS

Dimitrios Leventos, HSE & Sustainable Development Division, HELLENiQ ENERGY

Lama Alawami, Sales Manager, Baker Hughes

PRESENTATION TITLES AND SPEAKERS

15:30-15:50	Reducing the gas emission housing new innovation (Carbolex) in industries and retail Amr Fawzy, Owner, Amr Lifescience
15:50-16:10	Utilising green hydrogen from waste energy in gas reduction stations for gas blending Karim Elrouby, Mechanical Engineer, Fertiglobe
16:10-16:30	Green hydrogen generation from water waste at petroleum and natural gas sites: a sustainable pathway towards energy security and environmental stewardship Rana Elkady, HSE Section Head, IPIC
16:30-16:50	Towards sustainable sewage treatment: integrating environmental impact reduction & resource management in sewage treatment plants for achieving one of the goals of UNSDG Fairooz Saqafi, Chief Executive Officer, Tanleef Water Management Company, MKC



CATEGORY: OFFSHORE AND MARINE PRODUCTION, TECHNOLOGY AND OPERATIONS (OM)

SESSION: 28

TITLE: OFFSHORE INTEGRITY MANAGEMENT AND INNOVATIVE TECH

LOCATION: ROOM 3

CO-CHAIRS

Ahmed Sorour, Technical Sales Engineer, SLB

Ahmed Sultan, Petrophysics Department Manager, Tharwa Petroleum Company

15:30-15:50	Gas hydrate inhibition in a laboratory mini flow loop: efficacy of a locally sourced natural extract Virtue Urunwo Wachikwu-Elechi, Research/Post Doctoral Fellow, Shell JV-Aret Adams Professorial Chair in Petroleum Engineering
15:50-16:10	FlexDelivery – integrated logistics in the offshore sector Kris Vedat, Head of Technology and Logistics, P&O Maritime Logistics
16:10-16:30	A novel methodology for life extension assessment through accumulated fatigue damage: a comparative study with traditional techniques in Arabian jacket structures Abin Thomas, Engineer, DNV
16:30-16:50	Diver-less spool Tie-In installation system Wael Bakr, CEO, MCS Group



CATEGORY: PROJECT MANAGEMENT AND EXECUTION (PM)

SESSION: 29

TITLE: PROJECT MANAGEMENT, RISKS AND EXECUTION: COST REDUCTION AND OPTIMISATION

LOCATION: ROOM 4

CO-CHAIRS

Abdelkader Elbadry, Planning Manager, Petrobel

Ashay Sharma, Lead Geomechanics Specialist, Baker Hughes



CATEGORY: ENERGY TRANSITION AND DECARBONISATION (ETD)

TITLE: METHANE ABATEMENT AND EMISSIONS MANAGEMENT

LOCATION: ROOM 5

CO-CHAIRS

Hamada Ahmad Mohamad, General Manager for Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)

Chris Monk, General Manager, EG Midstream Apache Corporation

	PRESENTATION T	TLE	ES AND SPEA	KERS
15:30-15:50	Digital transformation framework for autonomous project management in the oil and gas industry Ali Ibrahim, Senior Industry Consultant, Hexagon		15:30-15:50	Reduced fugitive emissions design and operation of a gas treatment facility Divya Mathur, Emissions and Sustainability Metier, SLB
15:50-16:10	15:50-16:10 BIM for Egypt's energy transition and oil & gas optimisation Eman Ashraf, Senior QA Specialist, Egyptian Drilling Company		15:50-16:10	Techno-economic study for utilisation of flare and field gases as an alternative fuel for industrial gas turbines targeting towards decarbonisation in oil and gas
16:10-16:30	Computing cost and time contingency for natural gas pipeline construction projects			industry Valeria Angelino, Customer Engagement Manager Emissions Abatement, Baker Hughes
	using integrated risk management techniques Omar Mohamed, Executive General Manager for Execution Projects Follow-up, Egyptian Natural Gas Company (GASCO)		16:10-16:30	A deep dive on the global outlook of methane emissions monitoring in the oil and gas industry, using data insights from satellite and aircraft technologies
16:30-16:50				Mamdouh Mohamed Eloufy, MENA Account Director O&G, GHGSat Inc.
	efficiency in procurement and supply chain management: A success story in oil and gas directional drilling, MWD, and LWD services in Balikpapan Tita Oxa Anggrea, Project Manager, SLB		16:30-16:50	Advanced technologies for methane abatement in the oil and gas sectors Ahmed Barakat, Section Head, Cairo Oil Refining Company (CORC) Petrobel

WEDNESDAY 19 FEBRUARY

CATEGORY: COMPLETIONS (COMPL)

SESSION: 31



LOCATION: ROOM 1

CO-CHAIRS

Mohamed Abdelhady, Production and Fields General Manager, Khalda Petroleum Company

Mohamed Samir, Petroleum Engineering Manager, IPR Energy Group

PRESENTATION TITLES AND SPEAKERS

10:00-1	10:20	Optimising production dynamics and extending field longevity: a paradigm shift in reservoir management through autonomous inflow control valve (AICV) technology in North Oman's field Ahmed AI-Fatlawi, Global Field Operations Manager, Inflowcontrol AS
10:20-1	10:40	Reviving productivity in mature oil fields: coiled tubing hybrid fibre optics technology leading the way to operational efficiency and remarkable production rejuvenation following an 8-year well inactivity - a North Kuwait vanguard Kareem Badrawy, Coiled Tubing Senior Technical Engineer, SLB
10:40-1	11:00	Successful BiSN plug application from LWI vessel for water cut reduction in Angola deepwater OHGP resulting in reduction in water cut of oil producing well Mohamed EI-Kasar, Senior Well Engineer, bp
11:00-1	1:20	Field experience of an innovative downhole wireless communication system Muhammad Arsalan, Petroleum Engineering Consultant, Saudi Aramco



CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)

SESSION: 32

TITLE: EMBRACING CIRCULAR ECONOMY - RRRRR

LOCATION: ROOM 2

CO-CHAIRS

Lama Alawami, Sales Manager, Baker Hughes

Mohamed ElBanhawy, HS&E Manager, bp

10:00-10:20	Circular economy in action: reducing, reusing, recycling, and renewing - waste management optimisation at SLB base Indonesia Dafa Bayu Putranto, Wireline Field Engineer, SLB
10:20-10:40	Fostering sustainability through innovation: an in-depth analysis of rotor life cycle assessment Emanuele Innocente, Application Engineer, EthosEnergy
10:40-11:00	Product stewardship and circular economy Habiba Yasser, Environment Specialist, Egyptian Liquefied Natural Gas (ELNG),
11:00-11:20	Metals reclamation from spent desulfurisation catalyst Tarek Morsy, Senior Operation Engineer, Alexandria Mineral Oil Company (AMOC)

WEDNESDAY 19 FEBRUARY CATEGORY: UPSTREAM: EXPLORATION CATEGORY: PEOPLE AND TALENT OF CONVENTIONAL RESOURCES **DEVELOPMENT (PPL)** (CONV) SESSION: 34 SESSION: 33 TITLE: BUILDING A COMPETITIVE FUTURE TITLE: IMPACT OF INNOVATIVE SEISMIC READY WORKFORCE WORKFLOWS AND IMAGING LOCATION: ROOM 3 LOCATION: ROOM 4 **CO-CHAIRS CO-CHAIRS** Alexander Karvelas, MENA New Ventures Lead, SLB Ahmed Maher, Rashpetco HR Consultant, Shell Ivan Crabb, Exploration and Development Director, Samar Wagih, General Manager, HSE, EgyptianLNG Apache Corporation PRESENTATION TITLES AND SPEAKERS 10:00-10:20 Reservoir Characterisation and 10:00-10:20 Applying AI to enhance operational Stratigraphic Framework of the staff competency in the energy Nargis Gas Discovery, offshore Egypt sector: A comprehensive approach Selen Esmeray-Senlet, Exploration Robert Cooper, Corporate Regional Geologist, Chevron Manager, IHRDC 10:20-10:40 Maximising Mediterranean Gas Exploration Success Rate and 10:20-10:40 Role of purpose-driven leadership Revolutionize Subsurface Imaging in sustainability and global of the Reservoir Heterogeneity wellbeing with Artificial Intelligence-assisted Alla Levadnaya, Managing Director, Workflow Growth Associates UK Ltd. Ahmed Hafez, Subsurface Team Leader | Delegated Professor, 10:40-11:00 Attracting, developing, and fostering National Petroleum Company a Gen Z ready to take the energy Jordan business to a new level: Strategies to face the challenges of younger 10:40-11:00 Reimaging the Offshore Nile Delta generations Basin and Exploring Presalt Plays Miguel Angel Cardenas, Digital & Gebril Saleh, Exploration Lead EUG, Integration Employee Development SLB & Engagement Manager for MCA & BRZ, SLB 11:00-11:20 A novel concept in AVO anomalies detection DHI supported for deep 11:00-11:20 Enhancing organisational success Miocene, offshore Nile Delta, Egypt through people management and Ramy Mohamed Fahmy, Senior continuous development Geophysicist, Rashpetco - Shell Farah Sherif, HR Generalist, United Energy Egypt

WEDNESDAY 19 FEBRUARY

CATEGORY: ENERGY TRANSITION AND DECARBONISATION (ETD)

SESSION: 35

TITLE: ELECTRIFICATION TECHNOLOGIES AND BEST PRACTICES

LOCATION: ROOM 5

CO-CHAIRS

Lamiaa Abo Shahba, General Manager for Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)

Yassin Rady, Senior Engineer, Energean

PRESENTATION TITLES AND SPEAKERS

10:00-10:20	PV output prediction using Al techniques Nicholas Nyaika, Researcher, Makerere University
10:20-10:40	Integration of battery energy storage system with gas turbines feeding an oil process facility Ahmed Zakaria Gabr, Renewable Energy and Energy Transition Department Head, Khalda Petroleum Company
10:40-11:00	Using nuclear energy in far places to obtain large amounts of energy required for electrification Mohamed Abdelhady, Instrument and Control Specialist, Engineering for Petroleum and Process (Enppi)
11:00-11:20	Optimising industrial steam systems: integrating smart turbines for pressure management and energy recovery: a case study ANRPC Essam Mohamed, Utilities General Manager, Alexandria National Refining & Petrochemicals Co. (ANRPC)



CATEGORY: DRILLING (DR)

SESSION: 36

TITLE: DRILLING TECHNOLOGY INNOVATION AND DIGITAL SOLUTIONS

LOCATION: ROOM 1

CO-CHAIRS

Ahmed Abdelfattah, Drilling Services and LWD SDM, Baker Hughes

Moataz Moussa, Drilling Manager, United Energy Egypt

11:30-11:50	Breaking new ground in reservoir management: Kuwait's pioneering underbalanced coiled tubing drilling operation for blowout relief in West Kuwait – a landmark global success story in the oil and gas industry Youssef Chaari, Project Manager Coiled Tubing Drilling (CTD), SLB
11:50-12:10	100% core recovery in a high- angle well of unconsolidated sand formation with a full closure coring system Benny Wales, Coring Project Manager, NOV ReedHycalog
12:10-12:30	Smart computer vision solution for subsea asset positioning and drilling support Mohamed Medany, Positioning, Construction & IRM Service Line Manager, Fugro
12:30-12:50	Innovative nanotechnology based on bridging system supports stabilising drilling deep formations Qassem Alsaqer, Lead Service Specialist, Baker Hughes

WEDNESDAY 19 FEBRUARY



CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)

SESSION: 37

TITLE: MANAGEMENT OF PRODUCED WATER AND DIRECT AIR CAPTURE

LOCATION: ROOM 2

CO-CHAIRS

Hamada Ahmad Mohamad, General Manager for Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)



CATEGORY: UPSTREAM: EXPLORATION OF CONVENTIONAL RESOURCES (CONV)

SESSION: 38 TITLE: UNLOCKING POTENTIAL THROUGH NEW DATA, NEW INTERPRETATION, NEW INSIGHTS

LOCATION: ROOM 3

CO-CHAIRS

Aristotelis Pagoulatos, Geoscientists Department Manager, HELPE Upstream

Mohamed Farouk, Lead Geologist, United Energy Egypt

PRESENTATION TITLES AND SPEAKERS				KERS
11:30-11:50	Innovation in methane emission detection and monitoring through earth observation and machine learning for environmental sustainability Maria Fernanda Gonzalez Gutierrez,		11:30-11:50	New 3D seismic helps define prospectivity in Egypt's West Mediterranean Sea Mark Hamilton, Principal Geoscientist, TGS
11:50-12:10	CEO & Co-Founder, PlanetAl Space CO2 to CO conversion by nonthermal plasma discharges packed with TiO2- coated glass beads Mohamed El Shaer, Professor, Zagazig University		11:50-12:10	Prospectivity of Jurassic Carbonate Play in Southwestern Amu Darya and Western Afghan Tajik Basins, Northern Afghanistan Region Hasan Guney, Senior Geoscience Specialist, Dragon Oil Ltd
12:10-12:30	Sustainable repurposing of oil and gas produced water for agricultural irrigation in Egypt Shimaa Fath-Albab, Student, Faculty of Petroleum and Mining Engineering, Suez University		12:10-12:30	Intra-disciplinary data integration to minify subsurface uncertainty, Oligocene reservoir delineation and characterisation; Atoll Field, Offshore Nile Delta Ibrahim Mohamed, Senior Geologist, Pharaonic Petroleum Company (PhPC)
12:30-12:50	Treating global warming and climate changes by hydrogen peroxide and sugar Makhlouf Makhlouf, Chemist Researcher, Oxypharma		12:30-12:50	Integrated Pore Pressure and Fracture Gradient Modeling to Safely Unlock HPHT Exploration Resources in the Pre-Messinian Nile Delta Mahmoud Abou-Shanab, Principal Petrophysics Engineer, Shell

WEDNESDAY 19 FEBRUARY

CATEGORY: OIL AND GAS FIELD DEVELOPMENT (FD)

SESSION: 39

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TITLE: OPTIMISING MATURE FIELD PERFORMANCE

LOCATION: ROOM 4

CO-CHAIRS

Adel El Sabagh, PE and Exploration Manager - Rashpetco, Shell

Mayada Esmail, Consulting Lead, SLB

PRESENTATION TITLES AND SPEAKERS

11:30-11:50	Sub-surface downhole compression system to produce gas reserves of mature gas fields with pressure depleted gas reservoirs Miloud Bekkoucha, Technical Manager - MENA, Upwing Energy
11:50-12:10	Optimising production in interlaced gas fields: a real case application of continuous monitoring and optimisation Alessandro Gabriele, Gas Engineering Department Manager, Petrobel
12:10-12:30	Maximising asset longevity and minimising carbon footprint by using continuous injection chemical treatment to minimise corrosion effects and reduce hoist interventions in artificial lift wells Hazaa Salim Al Issaei, WRM Engineer, MEDCO LLC Oman
12:30-12:50	Deliquefying and reviving gas fields with velocity string: coiled tubing deployed future-ready completion solution Aman Saraf, District Technical Engineer, SLB



CATEGORY: ENERGY TRANSITION AND DECARBONISATION (ETD)

SESSION: 40

TITLE: DECARBONISING THE ENERGY VALUE CHAIN WITH LOW CARBON TECH

LOCATION: ROOM 5

CO-CHAIRS

Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi

Ahmed AbdelFattah, Vice President of Finance, United Energy Egypt

11:30-11:50	Decarbonising the energy value chain with low carbon tech Nimir Elbashir, Professor and Research Center Director, Texas A&M University
11:50-12:10	Ultrasonically enhanced oxidative desulphurisation – a low carbon footprint transition technology Deoras Prabhudharwakda, Research Scientist, KAUST
12:10-12:30	The strategic role of small modular reactors in energy transition: decarbonisation, achieving the 1.5°C target, enhancing energy security and sustainability, and integration with renewable energy and green hydrogen – advanced nuclear solutions shaping the future of clean energy Waseem Botros, President, TAMAV Nuclear Services
12:30-12:50	Hydrogen production and CO2 emissions mitigation in refining Abdelrahman Alrawi, Process Engineer, Egyptian Refining Company (ERC)

WEDNESDAY 19 FEBRUARY



CATEGORY: GEOSCIENCE: UPSTREAM TECHNOLOGY DEVELOPMENTS (GEOT)

SESSION: 41

TITLE: GEOSCIENCE TECHNOLOGIES, SURVEYS AND DATA

LOCATION: ROOM 1

CO-CHAIRS

Ahmed El Fiki, Senior Operations Geophysicist, Shell

Moataz Nady, Exploration Technical Advisor, Eni



CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)

TITLE: CSR PROGRAMMES FOR BIODIVERSITY AND ENVIRONMENTAL PROTECTION

LOCATION: ROOM 2

CO-CHAIRS

Mohamed ElBanhawy, HS&E Manager, bp

Wael Amin, Senior Head of Planning, United Energy Egypt

	PRESENTATION TI	TLE	S AND SPEA	KERS
14:00-14:20 14:20-14:40	Ultra-high density and high- productivity 3D seismic acquisition in Meleiha: survey planning, operations, and processing results Simone Baudo, Geophysical Operations Manager, Eni leoc		14:00-14:20	Water conservation in the era of green energy: tackling hydrogen leakage challenges. (solutions and measures for safety and sustainability) Amr Abu Mady, Process Engineer, Egyptian Projects Operation and Maintenance (EPROM)
	annel complex systems from delta deepwater environments in Plio- eistocene clastic reservoirs in Central aspian Basin of Greater Cheleken ea, Turkmenistan elby Ellen, Chief Explorationist, agon Oil Ltd		14:20-14:40	The role of corporate social responsibility in building customer's awareness towards the environmental sustainability Mahinaz Hassan, Marketing Manager, CARGAS
14:40-15:00	Rejuvenating a mature oil field: Case history of the Berenice oil field Sergey Tarasov, Geologist, Apache Corporation		14:40-15:00	A contrivance for biodiversity evaluation of sites for development
	High-resolution imaging for minor faults at the Cretaceous section using common reflection angle migration, Western Desert, Egypt Vira Matsourak, Project Leader, PetroTrace			of new projects in oil & gas sector R S Prasad, General Manager, Engineers India Limited
			15:00-15:20	Environmental sustainability and climate change Marwa Mohamed, Sustainability & CSR Manager, Abu Qir Fertilizers Company (AFC)

WEDNESDAY 19 FEBRUARY

CATEGORY: UPSTREAM: EXPLORATION OF UNCONVENTIONAL RESOURCES (UNCONV)

SESSION: 43

TITLE: UNCONVENTIONAL RESOURCE STRATEGIES AND APPLICATIONS

LOCATION: ROOM 3

CO-CHAIRS

Ahmed Lotfy, Asset Subsurface Manager, United Energy Egypt

Ahmed Rizk, Senior Geophysicist, Energean

PRESENTATION TITLES AND SPEAKERS

14:00-14:20	Utilising advanced LWD sourceless nuclear magnetic resonance and deep azimuthal resistivity tools for optimising landing of a deep Jurassic horizontal well in high-quality carbonate reservoir facies Said Mohamed, Well Construction & Evaluation Advisor, Baker Hughes
14:20-14:40	Revolutionising oil recovery and separation efficiency in Zaafarana field: a nano-technology approach validated by lab-simulated experiments and simulation modelling Shady Alfy, Deputy Petroleum Engineering General Manager - Gempetco JV, Cheiron Petroleum Corporation
14:40-15:00	Breaking boundaries: unleashing Thrubit technology's unique offerings Ritwika Das, Petrophysicist, SLB
15:00-15:20	Real-time chemostratigraphy at wellsite: removing drilling uncertainties Ehsan Daneshvar, Operation Director, Future Geoscience Limited



CATEGORY: OIL AND GAS FIELD DEVELOPMENT (FD)

SESSION: 44

TITLE: EOR AND MATURE FIELD PERFORMANCE ENHANCEMENT

LOCATION: ROOM 4

CO-CHAIRS

Brian Hradecky, General Manager and Managing Director, Khalda Petroleum Company

Mohamed Abdelhady, Production and Fields General Manager, Khalda Petroleum Company

14:00-14:20	Enhancing reservoir management through robust aquifer modelling for an oil field in Oman Wael El Sherbeny, Reservoir Solutions Manager - Geosciences, Baker Hughes
14:20-14:40	Improving fluid loss control in heavy oil field during well intervention: a case study from Kuwait on the use of innovative salt system Mahmoud Hussein, Senior Petroleum Engineer, Kuwait Oil Company
14:40-15:00	Screening of sustainable biosurfactant produced by indigenous bacteria isolated from Egyptian oil fields for microbial enhanced oil recovery Hamed Aboelkhair, Assistant Professor, The British University in Egypt
15:00-15:20	Optimising recovery in brown field by unlocking new potential and implementing constructive reservoir management aspects Mounier Maarouf, Deputy Petroleum Engineering Manager, Vaalco Energy

WEDNESDAY 19 FEBRUARY



CATEGORY: ENERGY TRANSITION AND DECARBONISATION (ETD)

SESSION: 45

TITLE: INCREASING RENEWABLE ENERGIES IN THE ENERGY SUPPLY MIX

LOCATION: ROOM 5

CO-CHAIRS

Adel El Sabagh, PE and Exploration Manager - Rashpetco, Shell

Ivan Crabb, Exploration and Development Director, Apache Corporation

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 European Commission funding programmes for research and innovation, in particular for renewable energy and hydrogen technology Alan Haigh, Active Senior - DG Research and Innovation - European Commission, European Commission (Retired)

14:20-14:40 Fuel-agnostic power: the secret to unlocking renewable fuels at scale Toby Gill, CEO, IPG Energy

14:40-15:00 Integrated electric and gas networks incorporating P2G units Mohamed A. H. Elsayed, Professor, Cairo University

15:00-15:20 Methanex's first-ever net-zero voyage fueled by bio-methanol Tarek Anwar, Operations Manager, Methanex



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DR HOUDA BEN JANNET

General Director Organisation Méditerranéenne de l'Energie et du Climat (OMEC)



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