

HELD UNDER THE PATRONAGE OF HIS EXCELLENCY ABDEL FATTAH EL SISI, PRESIDENT OF THE ARAB REPUBLIC OF EGYPT



EGYPES
TECHNICAL
CONFERENCE

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30 MARCH - 1 APRIL 2026 | EGYPT INTERNATIONAL EXHIBITION CENTER, CAIRO



**OPTIMISING ENERGY
OPERATIONS THROUGH
EFFICIENCY, INNOVATION,
AND TECHNICAL EXCELLENCE**

TECHNICAL CONFERENCE BROCHURE

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EGYPES 2026: The Energy Voice of North Africa & the East Mediterranean

At the crossroads of Africa, the Middle East, and the Mediterranean, Egypt has become a pivotal energy hub - connecting resources, infrastructure, and markets that shape tomorrow's energy flows.

Global energy investment is projected to reach \$3.3 trillion in 2025, with \$2.2 trillion channelled into clean technologies such as solar, storage, and electrification (Reuters, WSJ). Meanwhile, the Middle East is set to invest \$130 billion in oil & gas supply, standing on the threshold of vast opportunity to expand into renewables and future energy systems (IEA).

Amid surging demand and a forecast 30% growth in regional consumption by 2040, EGPES is the platform where governments, NOCs, IOCs, investors, and innovators converge to forge partnerships and chart the region's energy transformation.

By convening decision-makers at the highest level, EGPES positions Egypt at the heart of the global energy conversation - and drives the investments and innovation needed for a resilient, diversified future.

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TRANSFORMING ENERGY THROUGH COLLABORATION, ACTION AND REALISM

The EGYPES 2026 Conferences bring together the world's energy decision-makers to address defining issues shaping the future of the industry, from regional security and capital investment to digital transformation and low-carbon innovation.

Two comprehensive conferences, Strategic and Technical, this new multi-track programme will feature over 100 sessions including ministerial dialogues, investment debates, technical deep dives and innovation showcases, all designed to drive development through insight and action.



2,200+

Conference delegates

350+

Global speakers

100+

High-level sessions

2

Energy conferences



Egypt's goal is to play a prominent role in global energy trade flows and foster an environment that simulates better trade and business links among regional countries to ensure collaboration and alliance.



HE Eng Karim Badawi
Minister of Petroleum and Mineral Resources
Arab Republic of Egypt



OPTIMISING ENERGY OPERATIONS THROUGH EFFICIENCY, INNOVATION, AND TECHNICAL EXCELLENCE

Ambition translates into action at the EGPES Technical Conference where leading engineering talent and technology experts dive deep into the tools and methodologies transforming energy operations, with specific focus upon Africa and the East Mediterranean.

From operational excellence, emissions reduction, digital transformation and renewable integration, the conference delivers peer-reviewed insights, real-world case studies and practical knowledge – driving collaboration and action on energy security, sustainability and affordability. Whether addressing enhanced oil recovery, AI-enabled maintenance or hydrogen infrastructure, the Technical Conference confronts the sector's real challenges and showcases real solutions that deliver measurable results.

ADDRESSING 20 TECHNICAL CATEGORIES

 Downstream: Refining Technology, Operations and Marketing (REF)	 Environmental Sustainability and Climate Change (ESC)
 Downstream: Petrochemicals Technology and Operations (PET)	 Energy Economics, Governance, Agreements and Finance (EGAF) NEW
 Upstream: Exploration of Conventional Resources (CONV)	 Digitalisation (DIGI)
 Upstream: Exploration of Unconventional Resources (UNCONV)	 Health and Safety (HS)
 Gas/LNG Processing, Operations and Technology (GAS)	 Project Management and Execution (PM)
 Midstream: Infrastructure, Transportation and Storage (MID)	 Operational Excellence (OEX)
 Offshore and Subsea Production, Operations and Technology (OS) NEW	 People and Talent Development (PPL)
 Decarbonisation, Energy Transition and Energy Efficiency (DTE) NEW	 Geoscience (GEO)
 Hydrogen, Biofuels, Alternative Fuels, Nuclear (ALT)	 Oil and Gas Field Development (FD)
 Renewable Energy (RE) NEW	 Drilling and Completions (DC) NEW

SESSION PREVIEW

TIME	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	
MONDAY 30 MARCH 2026	14:30 - 16:00	SESSION 1 CATEGORY: CONV Unlocking frontier and exploration potential	SESSION 2 CATEGORY: EGAF Financing regional energy investments and government pathways	SESSION 3 CATEGORY: RE Startups driving renewables future	SESSION 4 CATEGORY: ESC Circular economy and recycling in action	SESSION 5 CATEGORY: GAS Gas processing optimisation and advancements	SESSION 6 CATEGORY: MID Enhancing operational infrastructure using digital tools
	16:00 - 17:30	SESSION 7 CATEGORY: CONV Reservoir characterisation and EOR methods	SESSION 8 CATEGORY: EGAF Energy strategies and financing models	SESSION 9 CATEGORY: RE Renewables I: wind, wave & renewables' strategies	SESSION 10 CATEGORY: ESC ESG and SDG pathways in energy	SESSION 11 CATEGORY: GAS Efficiency solutions in gas and LNG systems	SESSION 12 CATEGORY: MID Optimising gas transportation and storage solutions
TUESDAY 31 MARCH 2026	10:00 - 11:30	SESSION 13 CATEGORY: UNCONV Innovative advancements in unconventional reservoir production	SESSION 14 CATEGORY: DC AI and automation in drilling	SESSION 15 CATEGORY: RE Renewables II: solar microgrids & photovoltaics	SESSION 16 CATEGORY: ESC Management of methane emissions and waste materials	SESSION 17 CATEGORY: OS Transforming offshore operations: automation and optimisation	SESSION 18 CATEGORY: REF Refinery economics: advancing profit margins through process optimisation
	11:30 - 13:00	SESSION 19 CATEGORY: CONV Unconventional resource evaluation strategies	SESSION 20 CATEGORY: DC Advanced drilling practices and performance enhancement	SESSION 21 CATEGORY: RE Renewables III: geothermal energy & Power-to-X	SESSION 22 CATEGORY: ESC CSR programmes and technologies for biodiversity services	SESSION 23 CATEGORY: OS Overcoming offshore infrastructure challenges	SESSION 24 CATEGORY: REF Innovations and circular solutions in refining and petrochemicals
	14:00 - 15:30	SESSION 25 CATEGORY: GEO Revolutionising subsurface exploration with AI	SESSION 26 CATEGORY: DC Well completion and intervention solutions	SESSION 27 CATEGORY: DTE Mitigating of GHG emissions reduction	SESSION 28 CATEGORY: DIGI Big data and advanced analytics using AI	SESSION 29 CATEGORY: PM Successful project management: optimising contract strategy, execution and cost	SESSION 30 CATEGORY: PET Innovative pathways in petrochemicals
	15:30 - 17:00	SESSION 31 CATEGORY: GEO Beyond the image: innovations in seismic interpretation and integration	SESSION 32 CATEGORY: ALT Sustainable biofuel advancement technologies	SESSION 33 CATEGORY: DTE Transformative pathways in CCS and CCUS	SESSION 34 CATEGORY: DIGI Cybersecurity and data protection	SESSION 35 CATEGORY: PM New projects risk assessment and digital innovation	SESSION 36 CATEGORY: PET Petrochemical market developments and advances
WEDNESDAY 1 APRIL 2026	10:00 - 11:30	SESSION 37 CATEGORY: OEX Best practise for intelligent automation with AI	SESSION 38 CATEGORY: ALT Alternative energies: smart innovations	SESSION 39 CATEGORY: DTE CBAM readiness and the role of hydrogen	SESSION 40 CATEGORY: DIGI Operational excellence through digital transformation best practices	SESSION 41 CATEGORY: HS Next-Gen process safety: innovation and risk intelligence	SESSION 42 CATEGORY: PPL Workforce learning and competency building pathways
	11:30 - 13:00	SESSION 43 CATEGORY: OEX Operational excellence through process optimisation	SESSION 44 CATEGORY: ALT Green hydrogen and ammonia production and scale up	SESSION 45 CATEGORY: DTE Methane mitigation and emissions data management	SESSION 46 CATEGORY: DIGI Energy, efficiency and emissions management through AI and ML	SESSION 47 CATEGORY: FD Optimising field production and enhancements	SESSION 48 CATEGORY: PPL Next-Gen energy leadership and workforce
	14:00 - 15:30	SESSION 49 CATEGORY: OEX Applications for improving asset integrity and maintenance strategies	SESSION 50 CATEGORY: ALT Building hydrogen operations and infrastructure	SESSION 51 CATEGORY: DTE Renewable energy and electrification	SESSION 52 CATEGORY: DIGI Energy industry evolution via digital twins	SESSION 53 CATEGORY: FD Innovative EOR in mature and brownfield assets	SESSION 54 CATEGORY: HS Digital and smart safety solutions in HSE

MONDAY 30 MARCH 2026



CATEGORY: UPSTREAM: EXPLORATION OF CONVENTIONAL RESOURCES (CONV)
 SESSION: 1
 TITLE: UNLOCKING FRONTIER AND EXPLORATION POTENTIAL
 LOCATION: ROOM 1



CATEGORY: ENERGY ECONOMICS, GOVERNANCE, AGREEMENTS AND FINANCE (EGAF)
 SESSION: 2
 TITLE: FINANCING REGIONAL ENERGY INVESTMENTS AND GOVERNMENT PATHWAYS
 LOCATION: ROOM 2

SESSION CHAIRS

Ahmed Zaky, Senior Geophysicist, Energean

Mohamed Said, Principal Production Geologist, Rashpetco (Shell-JV)

SESSION CHAIRS

Emmanouela Angelidaki, Asset Remuneration Senior Manager, DESFA

Mohamed Samir, Senior Manager, Petroleum Engineering, IPR Energy Group

PRESENTATION TITLES AND SPEAKERS

14:30-14:50 [A recent shallow oil discovery in the Khoman Carbonate Reservoir, Sidi Rahman Field, Alamein Basin, North Western Desert, Egypt](#)
 Ahmed Zakaria, Geological Studies Department Head, Marina Petroleum

14:50-15:10 [Machine learning-driven characterisation of heterogeneous clastic reservoirs: reveal hidden reservoir quality patterns enhancing development strategies in Egypt's Western Desert](#)
 Mona Farouk, Department Manager, General Petroleum Company (GPC)

15:10-15:30 [Egypt's West Mediterranean Sea - an exploration hotspot](#)
 Mark Hamilton, Principal Geoscientist, TGS

15:30-15:50 [New insights unlocking new play types in a high potential frontier basin](#)
 Rana Nafea, Geoscientist, SLB

14:30-14:50 [Economic devaluation impact on generating challenges with attaining environmental, social, and governance \(ESG\) reporting frameworks within climate mobility settings: a case study of South Sudan](#)
 David Odukanga, President & Founder, Charity Mission Corps

14:50-15:10 [Gateway to Africa: Egypt's 2030 Vision for regional energy trade and supply leadership](#)
 Ahmed Rashed, Production Planning Department Head, Suez Oil Processing Company

15:10-15:30 [Unleashing the region's gas potential: the case for accelerated exploration in Egypt and the East Mediterranean](#)
 Aatisha Mahajan, Vice President, Exploration Research, Rystad Energy

15:30-15:50 [The impact of world population growth on global energy consumption: a probabilistic analysis](#)
 Peter Pflaumer, Professor Emeritus, Technical University of Dortmund, Department of Statistics

MONDAY 30 MARCH 2026



CATEGORY: RENEWABLE ENERGY (RE)
 SESSION: 3
 TITLE: STARTUPS DRIVING RENEWABLES FUTURE
 LOCATION: ROOM 3



CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)
 SESSION: 4
 TITLE: CIRCULAR ECONOMY AND RECYCLING IN ACTION
 LOCATION: ROOM 4

SESSION CHAIRS

Mohamed Hamdy, Project Development Lead, United Energy Egypt

SESSION CHAIRS

Ahmed Baghdadi, Senior Geomechanics Specialist, Baker Hughes

Alaa Hassan, Health, Safety & Environment Lead, Shell

PRESENTATION TITLES AND SPEAKERS

14:30-14:50 [H2GZ area viveiro: the echo of the tornado](#)
 Jose Manuel Vale Vale, Chief Engineer, H2GZ Energizing

14:50-15:10 [Overvoltage mitigation at the point of common coupling \(PCC\) due to distributed energy resources \(DERs\)](#)
 Suhaib Alzoubi, Senior Electrical Engineer, Irbid District Electricity Company

15:10-15:30 [AI-driven microgrid optimisation for climate-resilient energy access in the Mediterranean and MENA region](#)
 Haytham Dbouk, Founder & CEO, Innovating Green Technology (IGT)

15:30-15:50 [Sourcing feedstock for biodiesel production](#)
 Ibrahim Farouk, Chief Executive Officer, Bio Rotterdam Cleantech

14:30-14:50 [AI-driven waste recycling marketplace with carbon credit integration](#)
 Iram Maimuna, Chief Executive Officer, E Waste Social

14:50-15:10 [Decentralised plastic micro-factories for sustainable construction: a scalable 3D printing solution for Egypt's urban waste challenge](#)
 Mohamed Mamdouh, Head of HSE Department, Alexandria National Refining & Petrochemicals Co. (ANRPC)

15:10-15:30 [Lithium battery recycling and circuit boards recycling](#)
 Hendrick Tafadzwa Chikwanha, Chief Executive Officer, Relithia Energy

15:30-15:50 [Optimising net-zero hydrogen production: a life cycle sustainability assessment of key pathways](#)
 Marwa Hannouf, Postdoctoral Fellow, University of Calgary

MONDAY 30 MARCH 2026



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

SESSION: 5

TITLE: GAS PROCESSING OPTIMISATION AND ADVANCEMENTS

LOCATION: ROOM 5



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

SESSION: 6

TITLE: ENHANCING OPERATIONAL INFRASTRUCTURE USING DIGITAL TOOLS

LOCATION: ROOM 6

SESSION CHAIRS

Ahmed Shaheen, Operations & Asset Integrity Manager, Petrolam Nasional Berhad (PETRONAS)

Khaled ElGammal, General Manager, LNG/Gas Trading, Export & Import Activities, Egyptian Natural Gas Holding Company (EGAS)

SESSION CHAIRS

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

Morfoula Tsantekidou, Operator, Oil Supply & Sales, Operations Division, HELLENiQ Petroleum S.A

PRESENTATION TITLES AND SPEAKERS

14:30-14:50 **Effect of CuFe₂O₄ nanoparticles and benzalkonium chloride (Bzc) on natural gas hydrate (NGH) formation kinetics**
Mohamed Salah, Senior Process Engineer, Egyptian Petroleum Research Institute (EPRI)

14:50-15:10 **Enhance process gas reciprocating compressor mean time between overhauls**
Mohamed Ghabban, Reliability Engineer Rotating Equipment, Saudi Aramco

15:10-15:30 **Energy optimisation in acid gas removal units: energy and cost benefits of feed gas pre-cooling**
Pawanjeet Oberoi, Process Manager, Wood Plc

15:30-15:50 **Designing the future of gas processing: integrating digital twins, hybrid systems, and energy optimisation**
Igbon Oyakhire-Ifejeh, Programs Manager, Tetracore Energy Group

14:30-14:50 **Transforming Brownfield assets into pipelines of the future: applications of real-time leak detection and third-party interference monitoring using Vibroacoustic technology**
Ana Paula Gomes, Business Development Manager, Enivibes

14:50-15:10 **Integrating intelligent pig data with spatial satellite images**
Mohamed El Rakaybi, Executive General Manager, Egyptian Natural Gas Company (GASCO)

15:10-15:30 **Corrosion inhibition of mild steel using Citrus Sinensis mesocarp extract (CSME) in an acidic medium**
Virtue Urunwo Wachikwu-Elechi, Professorial Chair, Petroleum Engineering, Shell JV Aret Adams

15:30-15:50 **Smart asset management & advanced gas chromatography monitoring: driving measurement excellence and emissions assurance in the oil & gas industry**
Ahmed Serag, Metering Team Leader, bp

MONDAY 30 MARCH 2026



CATEGORY: UPSTREAM: EXPLORATION OF CONVENTIONAL RESOURCES (CONV)

SESSION: 7

TITLE: RESERVOIR CHARACTERISATION AND EOR METHODS

LOCATION: ROOM 1



CATEGORY: ENERGY ECONOMICS, GOVERNANCE, AGREEMENTS AND FINANCE (EGAF)

SESSION: 8

TITLE: ENERGY STRATEGIES AND FINANCING MODELS

LOCATION: ROOM 2

SESSION CHAIRS

Aristotelis Pagoulatos, Geoscientists Department Manager, HELLENiQ Upstream

Mahmoud Gabr, Subsurface Manager, bp

SESSION CHAIRS

Walaa Shehoud, Assistant Vice Chief Executive Officer, Agreements, Egyptian Natural Gas Holding Company (EGAS)

PRESENTATION TITLES AND SPEAKERS

16:00-16:20 **Stimulating gas-focused transformation: fueling project delivery and role in energy transition**
Mrinal Bhardwaj, Senior Analyst, Oil & Gas, Rystad Energy

16:20-16:40 **Unlocking Egyptian Mediterranean hydrocarbon potential: characterising diverse pre-salt plays derived from advanced mega-seismic processing**
Ashraf Hassan, Senior Geophysicist, Egypt Upstream Gateway (EUG)

16:40-17:00 **Next-generation EOR strategies: unlocking maximum potential from conventional reservoirs**
Vishal Aery, Global Business Manager, BGR Tech Limited

17:00-17.20 **Characterisation of vuggy carbonates and interpretation of non-Archie resistivity behaviour**
Girija Padhy, Senior Petrophysicist, Kuwait Oil Company

16:00-16:20 **Taming scope 3: practical strategies to conquer data gaps, double counting and uncertainty in value-chain carbon accounting**
Amr AbuMady, Process Department Assistant General Manager, Egyptian Projects Operation and Maintenance (EPROM)

16:20-16:40 **Innovative financing strategies for sustainable development: optimising the funding mix for scalable impact**
Francesca Romana Picone, Management Consultant, RINA Consulting S.p.A.

16:40-17:00 **Strategic integration of climate finance in petro-dependent economies: global benchmarks and Egypt's pathway to energy transition**
Sally Mohamed Fathy Eid, Section Head, Technical Office, Alexandria National Refining & Petrochemicals Co. (ANRPC)

17:00-17:20 **Carbon markets as enabler for energy transition**
Jayesh Behede, Senior Manager, International Business Development, NTPC Limited

MONDAY 30 MARCH 2026



CATEGORY: RENEWABLE ENERGY (RE)
SESSION: 9
TITLE: RENEWABLES I: WIND, WAVE & RENEWABLES' STRATEGIES
LOCATION: ROOM 3



CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)
SESSION: 10
TITLE: ESG AND SDG PATHWAYS IN ENERGY
LOCATION: ROOM 4

SESSION CHAIRS

Aser Abdelaziz, New Business Manager, Egypt Upstream Gateway (EUG), Ministry of Petroleum & Mineral Resources

Haitham Al-Attar, Senior Exploration Advisor, Chevron

SESSION CHAIRS

Lamiaa Abo Shahba, General Manager, Gas Market Activities, Egyptian Natural Gas Holding Company (EGAS)

Mohamed ElBanhawy, Health, Safety & Environment Manager, bp

PRESENTATION TITLES AND SPEAKERS

16:00-16:20 **Grid stability enhancement in wind energy systems based superconducting magnetic energy storage (SMES) systems using hybrid particle swarm optimisation and grey wolf optimiser (PSOGWO)**
Hebatallah Khaled Abd El Badie, Specialist Electrical Engineer, Engineering for Petroleum and Process (Enppi)

16:20-16:40 **Storing hydrogen in the underground: bridging technical needs and natural constraints**
Cyril Breheret, General Manager, Geostock

16:40-17:00 **Unbundling of the Egyptian grid – challenges and opportunities**
Hadir Helal, Founder & Managing Partner, Helal & Partners Law Firm

16:00-16:20 **Re-engineering petrochemical sustainability in the MENA region: a PSRI framework aligning decarbonisation, circularity and digitalisation with the UN SDGs**
Mohamed Elhalwagy, Gas Compressor Department Manager, Sidi Kerir Petrochemicals Company (SIDPEC)

16:20-16:40 **The impact of integrating/ implementing sustainability practices (ESG) into corporates' strategic management processes: the mediating role of the digital transformation tools – the case of the Egyptian petroleum companies**
Zayed Elsayed, Head of Sustainability Program, Petrojet

16:40-17:00 **A compact, multi-fuel solid oxide fuel cell system for decarbonised mobility and energy applications**
Sascha Kuehn, Chief Executive Officer, kraftwerk Group GmbH

17:00-17:20 **ESG implementation through ISO standards abstract**
Rabab Elhamid, Training & Consultation Manager, TÜV Rheinland Egypt Ltd

MONDAY 30 MARCH 2026



CATEGORY: GAS/LNG PROCESSING, OPERATIONS AND TECHNOLOGY (GAS)
SESSION: 11
TITLE: EFFICIENCY SOLUTIONS IN GAS AND LNG SYSTEMS
LOCATION: ROOM 5



CATEGORY: MIDSTREAM: INFRASTRUCTURE, TRANSPORTATION AND STORAGE (MID)
SESSION: 12
TITLE: OPTIMISING GAS TRANSPORTATION AND STORAGE SOLUTIONS
LOCATION: ROOM 6

SESSION CHAIRS

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

Khaled ElGammal, General Manager, LNG/Gas Trading, Export & Import Activities, Egyptian Natural Gas Holding Company (EGAS)

SESSION CHAIRS

Morfoula Tsantekidou, Operator, Oil Supply & Sales, Operations Division, HELLENiQ Petroleum S.A.

Walaa Basuony Abdelhady, General Manager, Egyptian General Petroleum Corporation (EGPC)

PRESENTATION TITLES AND SPEAKERS

16:00-16:20 **Environmental and economic feasibility study for constructing a new vapor recovery unit in an oil refinery as an effective solution for a green future**
Eslam Samir El Sbaaei, Head Department of Technical Studies, Suez Oil Processing Company

16:20-16:40 **Enhancing efficiency and sustainability in LNG liquefaction: novel Cascade LNG process utilising Ammonia as a natural refrigerant**
Mayar Tarek, Gas & Petrochemicals Engineer, Faculty of Engineering, Alexandria University

16:40-17:00 **Evaluating fuel gas interchangeability using Weaver indices and Wobbe index**
Mohamed Ahmed Sadek, Process Engineer, Egyptian Natural Gas Company (GASCO)

17:00-17:20 **Transforming LNG infrastructure: advanced solutions for LNG onshore receiving/regasification & FSRU terminals**
Danijel Buksa, Global Sales Operations & Project Development Onshore, Oil & Gas and Chemicals, Siemens Energy

16:00-16:20 **Strategic assessment of Egypt–Tanzania cooperation in natural gas supply: feasibility, transport scenarios, and political-economic risks**
Mohamed Tabbash, Chairman's Assistant, Egypt Gas

16:20-16:40 **Managing underground storage tank integrity risks: a novel data-driven strategy**
Saoud Falak, Asset Integrity Engineer, ADNOC Distribution

16:40-17:00 **Optimal design of a multi-period natural gas transmission network**
Omar Magdy, Senior Process Engineer, Egyptian Projects Operation and Maintenance (EPROM)

17:00-17:20 **Enhancing asset integrity and operational efficiency in energy infrastructure using AI-driven long-wave infrared (LWIR) analytics**
Wael Badawy, Member, Research Council, Communication & Information Technology, Academy for Science Research & Technology, Ministry of Higher Education

TUESDAY 31 MARCH 2026



CATEGORY: UPSTREAM: EXPLORATION OF UNCONVENTIONAL RESOURCES (UNCONV)
 SESSION: 13
 TITLE: INNOVATIVE ADVANCEMENTS IN UNCONVENTIONAL RESERVOIR PRODUCTION
 LOCATION: ROOM 1



CATEGORY: DRILLING AND COMPLETIONS (DC)
 SESSION: 14
 TITLE: AI AND AUTOMATION IN DRILLING
 LOCATION: ROOM 2

SESSION CHAIRS

Ahmed Lotfy, Head of Subsurface, United Energy Egypt
 Mostafa Ashraf, Sales Lead, Completion Services, Egypt & Algeria, Baker Hughes

SESSION CHAIRS

Abdalla Abouelazm, Digital Drilling Engineer, SLB
 Moataz Moussa, Drilling Manager, United Energy Egypt

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 **Enhancing oil recovery and water control through retrofit AICD completions in a mature North American viscous oil field**
 Raid Bukhamseen, Engineering & Geosciences Technical Director, TAQA Well Completions

10:20-10:40 **First-of-its-kind integrated approach for Najmah kerogen evaluation in Kuwait using pressurised rotary coring, NMR, and borehole imaging: a case study**
 Mahmoud Kalawina, Senior Petrophysicist, Halliburton

10:40-11:00 **Prediction of nanoconfined fluid properties using machine learning informed by pore-scale fluid-solid interactions**
 Hamid Emami-Meybodi, Associate Professor, The Pennsylvania State University

11:00-11:20 **Different approaches to low-resistivity pay in sandstone reservoirs: techniques and validation-case study**
 Tharwat Hassane, Operations General Manager, Sahara Oil and Gas

10:00-10:20 **The first Egyptian-made drilling and well control simulator RDS-100**
 Mohamad Yasser, Vice President, Business Development, Well Experts

10:20-10:40 **Successful downhole losses mapping and prediction using radial basis functions in machine learning for South Iraq Field**
 Naveen Kumar Tripathi, Senior Well Engineer, SLB

10:40-11:00 **Automated ruleset-driven design of platform wells using cloud-based software: a modern approach to well engineering**
 Mohamed Ali Hassan, Senior Advisor, Oliasoft AS

11:00-11:20 **Fishsight AI: an AI-enhanced predictive platform for fishing operations**
 Iskandar Ghorbel, Junior Field Engineer, Mazarine Energy Tunisia BV

TUESDAY 31 MARCH 2026



CATEGORY: RENEWABLE ENERGY (RE)
 SESSION: 15
 TITLE: RENEWABLES II: SOLAR MICROGRIDS & PHOTOVOLTAICS
 LOCATION: ROOM 3



CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)
 SESSION: 16
 TITLE: MANAGEMENT OF METHANE EMISSIONS AND WASTE MATERIALS
 LOCATION: ROOM 4

SESSION CHAIRS

Haitham Al-Attar, Senior Exploration Advisor, Chevron
 Mohamed Refaat, General Manager, Egyptian General Petroleum Corporation (EGPC)

SESSION CHAIRS

Ahmed M. Ibrahim, Sustainability Department, Eni leoc
 Naglaa Mohamed Tawfik, General Manager, Egyptian General Petroleum Corporation (EGPC)

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 **Performance enhancement of on-grid MPPT for a fine-tuned inverter-based PV system using the golf optimiser considering partial shading effects**
 Mohammed Banna, Electrical Engineering Department Head, The Egyptian Ethylene and Derivatives Company (ETHYDCO)

10:20-10:40 **Solar steam for refineries: techno-economic integration of CSP in Egypt's process heating sector**
 Ahmed El-sharnouby, Process & Energy Optimisation Department Manager, Egyptian Projects Operation and Maintenance (EPROM)

10:40-11:00 **Design and development of a remote-controlled transport robot for solar panels mobile cleaning robots**
 Hossam M. Mounir, Business Development Manager, Maxima MEA

11:00-11:20 **Floating photovoltaics initiatives in Egypt towards a sustainable energy future: case study about methods of integration with oil & gas industry**
 Ahmed Balbaa, Sector Manager, Polyethylene General Department, Sidi Kerir Petrochemicals Company (SIDPEC)

10:00-10:20 **MeDiMoS (methane discovering monitoring system)**
 Maria Fernanda Gonzalez Gutierrez, President, PlanetAI Space

10:20-10:40 **From waste to resource: an environmentally sustainable approach to refinery wastewater reuse in agriculture – the case of jojoba**
 Shimaa Sayed, HSE Department Manager, Egyptian General Petroleum Corporation (EGPC)

10:40-11:00 **Soil wash technology at BED-3 Field: a pioneering approach to contaminated soil remediation in Egypt's petroleum sector**
 Ahmed Youssef, Environment Department Head, Badr El-Din Petroleum Company (BAPETCO)

11:00-11:20 **Water-energy-food nexus optimisation through agroforestry in oil & gas reclamation sites**
 Mohamed Abdelkader, Head of Fundraising & Grants, Office of Sponsored Programs, Heliopolis University for Sustainable Development

TUESDAY 31 MARCH 2026



CATEGORY: OFFSHORE AND SUBSEA PRODUCTION, OPERATIONS AND TECHNOLOGY (OS)
SESSION: 17
TITLE: TRANSFORMING OFFSHORE OPERATIONS: AUTOMATION AND OPTIMISATION
LOCATION: ROOM 5



CATEGORY: DOWNSTREAM: REFINING TECHNOLOGY, OPERATIONS AND MARKETING (REF)
SESSION: 18
TITLE: REFINERY ECONOMICS: ADVANCING PROFIT MARGINS THROUGH PROCESS OPTIMISATION
LOCATION: ROOM 6

SESSION CHAIRS

Dimitrios Sarris, Operations Senior Director, DESFA

Fairouz Embaby, Product & Service Delivery Manager, SLB

SESSION CHAIRS

Ayman Mohamed Abdelmonem Hashish, General Manager, Egyptian General Petroleum Corporation (EGPC)

PRESENTATION TITLES AND SPEAKERS

10:00-10:20	Innovative solutions for offshore challenges: all-electric systems in West Africa and the Mediterranean Marius Mueller, Control Systems Engineer, SLB
10:20-10:40	Freedom Autonomous Underwater Vehicle: an innovative approach for pipeline inspections John Bethea, Project Manager, Oceaneering International Inc
10:40-11:00	Redefining offshore lifts: innovative counterweight design for brownfield topside upgrades Ahmed ElHamahmy, Principal Structural Engineer, Mcdermott Middle East Inc
11:00-11:20	Challenges control & operations management in the world's oldest FPSO, Zaafarana field comprehensive case study Wael Elmandrawy, Zaafarana Field Manger, Chevron Petroleum Corporation

10:00-10:20	Optimising hydrogen management in refineries and petrochemical complexes for emissions reduction, higher efficiency, and future integration Mohamed El Yamani, Process Engineer, Egyptian Projects Operation and Maintenance (EPROM)
10:20-10:40	From assessment to action: operator-led refinery optimisation for economic and environmental gains Aurelio Ferrucci, Executive Vice President, Prometheus SRL
10:40-11:00	Mitigating high product sulphur and production constraints by resolving preheat exchanger failures in diesel isotherming unit Sunil Umare, Senior Manager, Hindustan Petroleum Corporation Ltd
11:00-11:20	UNICAT AFS: advanced filtration solutions for catalyst bed protection and reactor efficiency Ali Keshawy, Technical Sales Manager, Unicat Catalyst Technologies LLC

TUESDAY 31 MARCH 2026



CATEGORY: UPSTREAM: EXPLORATION OF UNCONVENTIONAL RESOURCES (UNCONV)
SESSION: 19
TITLE: UNCONVENTIONAL RESOURCE EVALUATION STRATEGIES
LOCATION: ROOM 1



CATEGORY: DRILLING AND COMPLETIONS (DC)
SESSION: 20
TITLE: ADVANCED DRILLING PRACTICES AND PERFORMANCE ENHANCEMENT
LOCATION: ROOM 2

SESSION CHAIRS

Ahmed Rizk, Senior Geophysicist, Energean

Tharwat Hassane, Operations General Manager, Sahara Oil and Gas

SESSION CHAIRS

Ahmed Gomaa, Assistant General Manager, Offshore Drilling Operations, Egyptian Natural Gas Holding Company (EGAS)

PRESENTATION TITLES AND SPEAKERS

11:30-11:50	Developing a workflow to optimise proppant distribution between perforation clusters to maximise stimulated area in unconventional reservoirs Ali Al Yaseen, General Field Engineer, TAQA Well Solutions
11:50-12:10	Source rock evaluation in unconventional tight carbonate reservoirs: Makhul Formation, Minagish Field, West Kuwait Said Beshry Mohamed, Well Construction & Evaluation Advisor, Baker Hughes
12:10-12:30	Beyond the structure: Sedimentology-Driven Rethinking of Complex Eocene Reservoirs in Egypt Ibrahim Lasheen, Senior Sedimentologist, Egypt Upstream Gateway (EUG)
12:30-12:50	An integrative evaluation approach using source rock analysis, advanced open hole logs and advanced gas chromatography data to characterise hydrocarbon potentiality of unconventional carbonate reservoirs Mahmoud Shehab El Dein, Senior Petrophysicist, Kuwait Oil Company

11:30-11:50	Optimising drilling torque in unconventional reservoirs using mechanical thrusters: a case study review on enhanced drilling performance Muhammad Zubair Fayyaz, Senior Field Engineer, TAQA Well Solutions
11:50-12:10	Comprehensive drilling and evaluation solutions for mitigating severe-to-total losses and enhancing performance in horizontal drilling campaign: a case study from offshore North West Java Bintang Kusuma Yuda, Drilling Engineer, PT Pertamina Hulu Energi Offshore North West Java
12:10-12:30	Enhancing drilling efficiency in highly interbedded abrasive formations using a new PDC bit design approach and drilling procedure in the Western Desert in Egypt Ibrahim Fatehy, Drilling Optimisation, Performance & New Technology Section Head, Khalda Petroleum Company (Apache Egypt JV)
12:30-12:50	Field-proven method for real-time bit balling detection and reduction of invisible lost time Mahmoud Elghor, Customer Success Manager, NOV

TUESDAY 31 MARCH 2026



CATEGORY: RENEWABLE ENERGY (RE)
 SESSION: 21
 TITLE: RENEWABLES III: GEOTHERMAL ENERGY & POWER-TO-X
 LOCATION: ROOM 3



CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)
 SESSION: 22
 TITLE: CSR PROGRAMMES AND TECHNOLOGIES FOR BIODIVERSITY SERVICES
 LOCATION: ROOM 4

SESSION CHAIRS
 Aser Abdelaziz, New Business Manager, Egypt Upstream Gateway (EUG), Ministry of Petroleum & Mineral Resources

SESSION CHAIRS
 Naglaa Mohamed Tawfik, General Manager, Egyptian General Petroleum Corporation (EGPC)

PRESENTATION TITLES AND SPEAKERS

11:30-11:50	Geothermal prospects in Egypt: data-driven approach for energy mix & sustainability Ahmed Gamal Eldin, Geologist, Egypt Upstream Gateway (EUG)
11:50-12:10	Reusing abandoned oil and gas wells for geothermal energy production: insights into promoting renewable energy transition Mahmoud Salah, Senior Energy Efficiency Engineer, Assiut Oil Refining Company (ASORC)
12:10-12:30	Combined geothermal and CO ₂ -storage processes Ian Gates, Professor, University of Calgary
12:30-12:50	From market analysis to site-identification for power-to-X projects: a methodological approach for pre-feasibility studies Paolo Gallorini, Head of Economics, Finance & Strategy, RINA Consulting S.p.A.

11:30-11:50	Ecological monitoring and biodiversity offset studies Tugba Arik, Senior Environmental Engineer, TANAP Natural Gas Transmission Company
11:50-12:10	Watershed integrated – climate change mitigation and adaptation programme Rangaraj Mageswaran, Technical Account Manager, Baker Hughes
12:10-12:30	Leveraging drone technology to achieve climate targets and enhance business viability Andile Vilakazi, RPAS Field Operation Manager, Drone Eye Technology (Pty) Ltd
12:30-12:50	Empowering women entrepreneurs through business education: the impact of the 'She Can' scholarship programme in Egypt Rana Mostafa, Communications Lead, United Energy Egypt

TUESDAY 31 MARCH 2026



CATEGORY: OFFSHORE AND SUBSEA PRODUCTION, OPERATIONS AND TECHNOLOGY (OS)
 SESSION: 23
 TITLE: OVERCOMING OFFSHORE INFRASTRUCTURE CHALLENGES
 LOCATION: ROOM 5



CATEGORY: DOWNSTREAM: REFINING TECHNOLOGY, OPERATIONS AND MARKETING (REF)
 SESSION: 24
 TITLE: INNOVATIONS AND CIRCULAR SOLUTIONS IN REFINING AND PETROCHEMICALS
 LOCATION: ROOM 6

SESSION CHAIRS
 Ahmed Shaheen, Operations & Asset Integrity Manager, Petroliam Nasional Berhad (PETRONAS)
 Hossam EIDandarawy, Engineering & Technology Manager, MENATI, Baker Hughes

SESSION CHAIRS
 Ayman Mohamed Abdelmonem Hashish, General Manager, Egyptian General Petroleum Corporation (EGPC)

PRESENTATION TITLES AND SPEAKERS

11:30-11:50	Simulation- framework for predicting liquid hold-up in offshore gas pipelines: Zohr Field case study Mahmoud Nabil, Process Engineer, Belayim Petroleum Company (Petrobel)
11:50-12:10	Breaking the paradigm of fire safe valves Fabio Tanaka, Senior Principal Engineer, Baker Hughes
12:10-12:30	Combination of shallow water tree systems and offshore early production facilities as a key enabler to Egyptian Offshore Marginal Fields Ahmed Farahat, Operations & Projects Executive, Maridive Offshore Projects

11:30-11:50	Transforming waste into value: a systematic approach to spent catalyst handling in refineries targeting circular economy and ESG integration Mohamed Atia, Process Engineer, Egyptian Refining Company (ERC)
11:50-12:10	Wastewater contamination control using Nalco Purate innovation technology. Hesham Alemary, Industry Technical Consultant, Ecolab
12:10-12:30	Refining plant process management strategy during a real turnaround in 2025 Ahmed Yehia, Process Sustainability Engineer (PhD), Egyptian Projects Operation and Maintenance (EPROM)
12:30-12:50	Sustainable solutions for spent catalyst and decoking waste management in refining operations Nora Zidan, Catalyst & Polymer Technology Section Head, Egyptian Petrochemicals Holding Company (ECHEM)

TUESDAY 31 MARCH 2026



CATEGORY: GEOSCIENCE (GEO)
SESSION: 25
TITLE: REVOLUTIONISING SUBSURFACE EXPLORATION WITH AI
LOCATION: ROOM 1



CATEGORY: DRILLING AND COMPLETIONS (DC)
SESSION: 26
TITLE: WELL COMPLETION AND INTERVENTION SOLUTIONS
LOCATION: ROOM 2

SESSION CHAIRS

Ahmad Hussein, Senior Geophysicist, bp

Amr Taqey, Senior Geophysicist, SLB

SESSION CHAIRS

Magdy Nofal, General Manager, Wells Completion & Workover, Egyptian Natural Gas Holding Company (EGAS)

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 **Artificial intelligence innovation in petrophysics for enhanced resource monetisation**
May Sari Hendrawati, Petrophysicist, Petronas Carigali Sdn. Bhd.

14:20-14:40 **AI/ML-driven lithology and rock properties prediction for complex clastic reservoir characterisation**
Shady Attia, Domain Data Scientist, SLB

14:40-15:00 **Bridging data gap with machine learning in heterogeneous clastic: from log reconstruction to field-wide reservoir characterisation in Egypt's late-middle Cenomanian deposits**
Nour El-Gebaly, Senior Petrophysicist, General Petroleum Company (GPC)

15:00-15:20 **Machine learning for sonic logs prediction: a case study from Pliocene Gas Reservoir, Eastern Mediterranean, Egypt**
Khaled Amin, Senior Geophysicist, Belayim Petroleum Company (Petrobel)

14:00-14:20 **Revolutionising well interventions in slim 3-7/8" openhole: global firsts in high-definition spectroscopy and AbrasiJET pin-point acid stimulation technologies on real-time hybrid fibre optics coil-tubing platform**
Norah AlAzemi, Petroleum Engineer, Kuwait Oil Company

14:20-14:40 **Breakthrough conformance technology for water shutoff using novel coiled tubing cementing application: design, implementation and post-evaluation learnings from Kuwait**
Ali Mohammed Kutubuddin, Technical Engineer, NAPESCO

14:40-15:00 **Key learnings and best practices: five years of AICD application in heavy oil block, Peruvian protected area**
Mojtaba Moradi, Subsurface Engineering Manager, TAQA Well Completions

15:00-15:20 **Reservoir formation damage, myths, facts, and lessons learned from the damage of a deep well in the Western Desert of Egypt**
Marwa Alquatt, Drilling Fluids Assistant General Manager, Agiba Petroleum Company

TUESDAY 31 MARCH 2026



CATEGORY: DECARBONISATION, ENERGY TRANSITION AND ENERGY EFFICIENCY (DTE)
SESSION: 27
TITLE: MITIGATING OF GHG EMISSIONS REDUCTION
LOCATION: ROOM 3



CATEGORY: DIGITALISATION (DIGI)
SESSION: 28
TITLE: BIG DATA AND ADVANCED ANALYTICS USING AI
LOCATION: ROOM 4

SESSION CHAIRS

Ahmed Baghdadi, Senior Geomechanics Specialist, Baker Hughes

Myrsini Gazela, Business Development Manager, ASPROFOS S.A.

SESSION CHAIRS

Daniele Porciani, Digital Services Solutions Leader, Baker Hughes

Mohamed Samir Saber, Senior Regional Sales Manager, Cordant Solutions, Egypt, Libya & East Africa, Baker Hughes

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 **Emission control and tracking of hydrocarbon evaporation rate from storage tanks and operation facilities**
Hamed Buti Alshamsi, Integrity Engineer, ADNOC Distribution

14:20-14:40 **Retrofitting a 100 ton/h water tube boiler for hydrogen firing: the challenges and risks – a case study on industrial decarbonisation**
Essam Kabbary Mohamed, Utilities General Manager, Alexandria National Refining & Petrochemicals Co. (ANRPC)

14:40-15:00 **Developing a decarbonisation strategy for natural gas transport and distribution operators: from theory to practice**
Giorgio Bonvicini, Head, Sustainability & Carbon Reduction, RINA Consulting

15:00-15:20 **Quantification of GHG reduction resulting from replacing CS with RTP**
Mostafa Elsonbaty, Projects General Manger, Petrofarah Petroleum Company

14:00-14:20 **Prioritising alerts from fleet units under remote monitoring and diagnostics with a data-driven approach**
Valentina Gori, Lead AI Specialist, Nuovo Pignone Tecnologie (Baker Hughes)

14:20-14:40 **Prediction of lithology from seismic attributes by means of artificial intelligence in Asl Formation, October Field - Gulf of Suez, Egypt**
Ahmed Eid, Senior Engineer Data Management, Gulf of Suez Petroleum Company (GUPCO)

14:40-15:00 **Integration of AI with advanced process control (APC) systems in polyethylene plants**
Aly El-Madany, Operations Engineer, Sidi Kerir Petrochemicals Company (SIDPEC)

15:00-15:20 **Scaling predictive intelligence with quantum-enhanced analytics in petrochemical logistics networks**
Stan Chen, Chief Executive Officer, Sinansys

TUESDAY 31 MARCH 2026



CATEGORY: PROJECT MANAGEMENT AND EXECUTION (PM)
SESSION: 29
TITLE: SUCCESSFUL PROJECT MANAGEMENT: OPTIMISING CONTRACT STRATEGY, EXECUTION AND COST
LOCATION: ROOM 5



CATEGORY: DOWNSTREAM: PETROCHEMICALS TECHNOLOGY AND OPERATIONS (PET)
SESSION: 30
TITLE: INNOVATIVE PATHWAYS IN PETROCHEMICALS
LOCATION: ROOM 6

SESSION CHAIRS

Ashay Sharma, Project Director, Baker Hughes

Mohamed Elreedy, General Manager, Gulf of Suez Petroleum Company (GUPCO)

SESSION CHAIRS

Ahmed Khairat, Assistant General Manager, Operations, Egyptian Petrochemicals Holding Company (ECHEM)

Maher Hussein, Engineering Manager, Methanex

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 [Managing contract prices during dynamic market](#)
Ashraf El Manawy, Contracts & Procurement Manager, Apex International Energy

14:20-14:40 [Decoding the hype: AI applications in management of capital projects](#)
Emad E. Aziz, Chief Executive Officer, BRISK Business Inc

14:40-15:00 [Application of integrated project management methodologies in fast-track Brownfield projects: a case study of NEAG-1 produced water disposal for BAPETCO](#)
Khalid Fawzy, Projects Assistant General Manager, Alexandria Petroleum Maintenance Co. (Petromaint)

15:00-15:20 [Supply chain management and localisation: a case study from hydraulic fracturing project in Saudi Arabia](#)
Mohammad Farouk, MENAT Stimulation Lab Manager, TAQA Well Solutions

14:00-14:20 [Dynamic phase shift catalysts for variable feedstock cracking](#)
Mohamed Refaat, Deputy Project Manager, Assiut National Oil Processing Company (ANOPC)

14:20-14:40 [Revolutionise integrated refinery – petrochemical industries by digital twin models](#)
Abbas Mahmoud, Petrochemicals Professor, Pharos University

14:40-15:00 [Bio-integration in petrochemicals: global innovations and strategic pathways for Egypt's sustainable industrial transformation](#)
Omar Abdullazez, Engineering Assistant Manager, Alexandria National Refining & Petrochemicals Co. (ANRPC)

15:00-15:20 [A new UV stabiliser and antioxidant chemically bonded with polyethylene from polyresorcinol prepared by a new method](#)
Mohamed Elnemr, Head of Department, Sidi Kerir Petrochemicals Company (SIDPEC)

TUESDAY 31 MARCH 2026



CATEGORY: GEOSCIENCE (GEO)
SESSION: 31
TITLE: BEYOND THE IMAGE: INNOVATIONS IN SEISMIC INTERPRETATION AND INTEGRATION
LOCATION: ROOM 1



CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR (ALT)
SESSION: 32
TITLE: SUSTAINABLE BIOFUEL ADVANCEMENT TECHNOLOGIES
LOCATION: ROOM 2

SESSION CHAIRS

Maha Khattab, Global Solutions Geophysicist, bp

Moataz Nady, Exploration Technical Advisor, Eni

SESSION CHAIRS

Bassam Mohamed El-zanaty Sherait, General Manager, Egyptian Natural Gas Holding Company (EGAS)

PRESENTATION TITLES AND SPEAKERS

15:30-15:50 [Understanding the potential of the Herodotus Basin: a regional comparative approach, East Mediterranean, Egypt](#)
Nihal Abdel Gawad, Geophysicist, Egypt Upstream Gateway (EUG)

15:50-16:10 [Maximising the value of ocean bottom node \(OBN\) data in the Gulf of Suez, Egypt through data-driven seismic image enhancement](#)
Ivica Mihaljevic, Area Geophysicist, SLB

16:10-16:30 [Evaluating reservoir connectivity and flow barriers utilising the integration of azimuthally oriented formation testing while drilling and logging data](#)
Samya Al Sawafi, Geoscience Lead, Halliburton

16:30-16:50 [Land time-lag FWI technologies: latest advancements in reservoir imaging and modelling onshore Egypt Western Desert](#)
Paolo Esestime, Geoscience Advisor, Viridien

15:30-15:50 [A technical and environmental outlook on e-fuels and bio-e-fuels](#)
Mohamed Al Naggar, Assistant, First Undersecretary of HSE, Energy Efficiency and Climate, Ministry of Petroleum and Mineral Resources

15:50-16:10 [Biodiesel production from biocrude oil through distillation to create alternative renewable fuel](#)
Sibusiso Thandazani Jele, Chief Executive Officer, Mzumunye Trading (Pty) Ltd

16:10-16:30 [Sustainable fuels – a path for power decarbonisation](#)
Jihad Aoun, Head of Sales Africa, Everllence

16:30-16:50 [Advancing biodiesel production for sustainable energy solutions](#)
Mohamed Radwan, Department Manager, Egyptian Projects Operation and Maintenance (EPROM)

TUESDAY 31 MARCH 2026



CATEGORY: DECARBONISATION, ENERGY TRANSITION AND ENERGY EFFICIENCY (DTE)

SESSION: 33

TITLE: TRANSFORMATIVE PATHWAYS IN CCS AND CCUS

LOCATION: ROOM 3



CATEGORY: DIGITALISATION (DIGI)

SESSION: 34

TITLE: CYBERSECURITY AND DATA PROTECTION

LOCATION: ROOM 4

SESSION CHAIRS

Kleopatra Avraam, Strategic Planning Senior Manager, DESFA

SESSION CHAIRS

Daniele Porciani, Digital Services Solutions Leader, Baker Hughes

PRESENTATION TITLES AND SPEAKERS

15:30-15:50 **Greece CCS initiative: from domestic action to regional leadership**
Efthimios Tartaras, Head of Geoscience & Management Consultant, HEREMA SA

15:50-16:10 **Transforming refinery emissions through CCUS: integrating capture, utilisation, and novel biomanufacturing pathways**
Sara El-Kassaby, Assistant General Manager Technology & Development, Egyptian Projects Operation and Maintenance (EPROM)

16:10-16:30 **Integrated monitoring and attribution of CO₂ leakage for dynamic carbon credit management**
Uday Biradar, Executive, Technology, Baker Hughes

16:30-16:50 **Abu Qir Fertilizers decarbonisation map**
Marwa Ramadan, Sustainability & CSR Manager, Abu Qir FertAilizers Company (AFC)

15:30-15:50 **Legacy ICS cybersecurity assessment using hybrid threat modelling – an oil and gas sector case study**
Mohamed Badawy, ICT General Manager, Abu Qir Petroleum Company (AQP)

15:50-16:10 **Securing the digital backbone: innovative data governance, privacy, and protection strategies in energy digitalisation**
Shehab Nashaat, Business Development Manager, P Systems

16:10-16:30 **New generation of cybersecurity attacks on critical national infrastructure (CNI) driven by AI/ML**
Amr Yehia, OT/IOT Cybersecurity Expert, sirar by stc

16:30-16:50 **Intelligent threat classification and automated cyber threat management for oil & gas sector enterprises**
Abdelrahman Hindi, Full Stack Developer, Egypt Upstream Gateway (EUG)

TUESDAY 31 MARCH 2026



CATEGORY: PROJECT MANAGEMENT AND EXECUTION (PM)

SESSION: 35

TITLE: NEW PROJECTS RISK ASSESSMENT AND DIGITAL INNOVATION

LOCATION: ROOM 5



CATEGORY: DOWNSTREAM: PETROCHEMICALS TECHNOLOGY AND OPERATIONS (PET)

SESSION: 36

TITLE: PETROCHEMICAL MARKET DEVELOPMENTS AND ADVANCES

LOCATION: ROOM 6

SESSION CHAIRS

Sally Nasr, General Manager, Strategies & Decision Support, Egyptian Natural Gas Holding Company (EGAS)

Yasser Elsayy, General Manager, Maintenance, Egyptian LNG

SESSION CHAIRS

Maher Hussein, Engineering Manager, Methanex

PRESENTATION TITLES AND SPEAKERS

15:30-15:50 **The disruptive reinvention of energy mega-projects: a survival guide for the digital age**
Mohamed Mousa, Senior Project Manager, Alexandria National Refining & Petrochemicals Co. (ANRPC)

15:50-16:10 **Transforming risk into reward: smarter decisions through proactive management**
Mahmoud Zidan, Project Assistant General Manager, South Dabaa Petroleum Company (Dapetco)

16:10-16:30 **Managing the unmanageable: AI in oil and gas operations**
Ruth Flavia Nanseera, Global Web Coordinator, International Management Assistants

16:30-16:50 **Project management and execution: driving energy transition through technical excellence and strategic delivery**
Abdou Bukr, Electromechanic Sales Sector Head, Power House International

15:30-15:50 **Chlorinated polyethylene (CPE): a uniquely formulated polyethylene with a wide range of properties, make it suitable for various applications across different industries**
Mohamed Shadad, Head Manager, Polyethylene Sector, Sidi Kerir Petrochemicals Company (SIDPEC)

15:50-16:10 **Effect of metal oxide nanoparticles on oil viscosity in relation to oil transportation**
Ahmed Elramisi, Application Engineer, The Egyptian Ethylene and Derivatives Company (ETHYDCO)

16:10-16:30 **Reducing marine plastic waste: PLA as a biodegradable solution to polyethylene**
Chahira M. Taymour A. Hassib, Assistant General Manager, Senior Project Manager, Engineering for Petroleum and Process (Enppi)

16:30-16:50 **Greening the petrochemical feedstock: decarbonisation pathways using renewable energy in Egypt**
Emad Elashry, Senior Project Manager, Alexandria National Refining & Petrochemicals Co. (ANRPC)

WEDNESDAY 1 APRIL 2026



CATEGORY: OPERATIONAL EXCELLENCE (OEX)
SESSION: 37
TITLE: BEST PRACTISE FOR INTELLIGENT AUTOMATION WITH AI
LOCATION: ROOM 1



CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR (ALT)
SESSION: 38
TITLE: ALTERNATIVE ENERGIES: SMART INNOVATIONS
LOCATION: ROOM 2

SESSION CHAIRS

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

Yasser El-Masry, Operations Manager, Egypt, IPR Energy Group

SESSION CHAIRS

Bassam Mohamed El-zanaty Sherait, General Manager, Egyptian Natural Gas Holding Company (EGAS)

Heba Beshr Nasr, Assistant General Manager, Gas Market Activities, Egyptian Natural Gas Holding Company (EGAS)

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 **AI SCADA: revolutionising industrial control with AI-driven operational intelligence by transforming traditional SCADA systems**
Ahmed Farid, Senior Automation Engineer, Egyptian Projects Operation and Maintenance (EPROM)

10:20-10:40 **How digital integration paves the way for intelligent automation (IA) & drives operational excellence**
Mohamed Rotan, Digital Transformation Strategist, Egyptian Refining Company (ERC)

10:40-11:00 **An innovative AI-enabled approach for intelligent automation towards operational excellence**
Tarique Mohammad Yusuf, Process Engineer – I, Kuwait Oil Company

11:00-11:20 **Case study for the importance of artificial intelligence (AI) role in production operations optimisation and its direct positive impact on productivity, energy efficiency, process safety & human intervention**
Ahmed Abbas Abou Karam, Storage & Loading Operations Assistant General Manager, Abu Qir Petroleum Company

10:00-10:20 **Waste-to-hydrogen: thermochemical gasification of municipal plastic waste for clean energy generation**
Aya Elkemary, Energy Transition Specialist, Egyptian Projects Operation and Maintenance (EPROM)

10:20-10:40 **Critical role of data continuity across power-to-X projects to decrease risks, CAPEX, time to market and increase efficiency**
Manuel Hernandez, Global Commercial Leader, Power Solutions, Schneider Electric

10:40-11:00 **Powering the future: battery storage and charging infrastructure**
Mariam Yassin, Sustainable Manufacturing Technologies Assistant General Manager, Egyptian Petrochemicals Holding Company (ECHEM)

11:00-11:20 **Egypt's integrated hydrogen economy: leveraging gas & petrochemical plants for a regional hydrogen hub**
Mohamed Elbana, Projects Department Manager, Egyptian Natural Gas Company (GASCO)

WEDNESDAY 1 APRIL 2026



CATEGORY: DECARBONISATION, ENERGY TRANSITION AND ENERGY EFFICIENCY (DTE)
SESSION: 39
TITLE: CBAM READINESS AND THE ROLE OF HYDROGEN
LOCATION: ROOM 3



CATEGORY: DIGITALISATION (DIGI)
SESSION: 40
TITLE: OPERATIONAL EXCELLENCE THROUGH DIGITAL TRANSFORMATION BEST PRACTICES
LOCATION: ROOM 4

SESSION CHAIRS

Dimitrios Leventos, Environmental Management & Sustainable Development Department Manager, HELLENIQ Energy Holdings

Ioannis Stavrakopoulos, Energy Transition & Strategic Planning Specialist, DESFA

SESSION CHAIRS

Mostafa Kortam, Assistant General Manager, Delegation, Belayim Petroleum Company (Petrobel)

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 **From export risk to strategic advantage: a CBAM readiness & response model for Egypt's energy and industrial sectors**
Maha Zahran, Risks' Management & Strategic Planning General Manager, Petrojet

10:20-10:40 **Micro substations**
Tiago Santos Guimaraes, Solutions & Service Programs, Siemens Energy

10:40-11:00 **An effort towards energy sector decarbonisation through a hydrogen-powered combined cycle gas turbine system**
Chikkanna Gowda, Senior Engineer, Baker Hughes

11:00-11:20 **Digital traceability for CBAM-aligned emissions reporting and trade compliance in energy logistics**
Nancy Abdelhadi, MENA Regional Director, RecycleGO

10:00-10:20 **AI-driven field transformation: unlocking operational and sustainability value through OptiFlow in a mature Ecuadorian field**
William Guerrero, Production Engineer, SLB

10:20-10:40 **The power of digital oilfield 4.0: transforming reservoir management**
Wael El Sherbeny, Leader Digital Solutions, MENATI & KSA, Baker Hughes

10:40-11:00 **From data to decision: GIS-powered visualisation for asset integrity and process safety risks**
Uma Maheshwaran Swaminathan, Process Safety Engineer, ADNOC Distribution

11:00-11:20 **Digital competence assurance software integrated with permit-to-work systems**
Ali Qabel, Manager, Technical Competence Management, Egyptian Liquefied Natural Gas (ELNG)

WEDNESDAY 1 APRIL 2026



CATEGORY: HEALTH AND SAFETY (HS)
SESSION: 41
TITLE: NEXT-GEN PROCESS SAFETY: INNOVATION AND RISK INTELLIGENCE
LOCATION: ROOM 5

SESSION CHAIRS

Ali Barakat, Health, Safety, Environment & Carbon Site Advisor, bp

Tamer Aieysh, Chief Executive Officer Assistant, Health, Safety & Environment, Egyptian General Petroleum Corporation (EGPC)



CATEGORY: PEOPLE AND TALENT DEVELOPMENT (PPL)
SESSION: 42
TITLE: WORKFORCE LEARNING AND COMPETENCY BUILDING PATHWAYS
LOCATION: ROOM 6

SESSION CHAIRS

Ahmed Maher, Human Resources Consultant, Rashpetco (Shell-JV)

Wafaa Tantawy, Senior Head, Human Resources & Administration, United Energy Egypt

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 [Digital process safety: the future of risk management in energy and mining](#)
Hany Mohamed Tawfek, Chief Executive Officer, Petroleum Safety And Environmental Services Company (Petrosafe)

10:20-10:40 [Hydrogen safety assurance - how to manage hydrogen risks](#)
Hesham Hanafy, Principal Engineer, TUV Rheinland Risktec

10:40-11:00 [ALARP unveiled: bridging misconceptions and best practices of ALARP assessment in process safety management](#)
Mohammed Sabry Mahmoud, Process Safety General Manager, Vigilance, Egyptian Natural Gas Company (GASCO)

11:00-11:20 [Departmental accountability framework: embedding Egyptian labour law chapter 5 into CCPS process safety systems across technical divisions with SDG alignment, asset integrity as pilot study](#)
Hebatallah Mokhtar, HSE Specialist, Egyptian General Petroleum Corporation (EGPC)

10:00-10:20 [Enhancing oil and gas field HSE training through virtual reality](#)
Ahmed Adel, HSE Department Manager, Agiba Petroleum Company

10:20-10:40 [Transforming Africa's energy workforce: a continental framework for women's advancement, equal pay implementation, and inclusive career pathways](#)
Aisha Salisu, Chief Executive Officer, March Energy Limited

10:40-11:00 [Enhancing workforce competency in the energy sector through immersive VR/AR training modules for complex operations and safety procedures](#)
Dalia Abouelfadl, Executive Manager, InfoGlobe

11:00-11:20 [The importance of qualified talent as a catalyst in safely troubleshooting gas processing operations](#)
John Galitos, Dean Workforce Development & Associate Professor of Chemistry, Southern University at Shreveport

WEDNESDAY 1 APRIL 2026



CATEGORY: OPERATIONAL EXCELLENCE (OEX)
SESSION: 43
TITLE: OPERATIONAL EXCELLENCE THROUGH PROCESS OPTIMISATION
LOCATION: ROOM 1

SESSION CHAIRS

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

Robert Warmerdam, Asset Operations General Manager, Rashpetco (Shell-JV)



CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR (ALT)
SESSION: 44
TITLE: GREEN HYDROGEN AND AMMONIA PRODUCTION AND SCALE UP
LOCATION: ROOM 2

SESSION CHAIRS

Mostafa Kortam, Assistant General Manager, Delegation, Belayim Petroleum Company (Petrobel)

PRESENTATION TITLES AND SPEAKERS

11:30-11:50 [Operational excellence applying advanced process control](#)
Manuel Jarrega, Advanced Process Control EMEA BD Leader & PA Software Services & Sales Iberia, Schneider Electric

11:50-12:10 [Maximising fired heater efficiency: operational excellence and zero-cost decarbonisation in the West Nile Delta](#)
Ahmed Atef Mohamed, Assistant General Manager, Technology & Development, EPROM - MIDOR

12:10-12:30 [Optimising pipeline operations using HYSYS and Excel VBA for enhanced efficiency and reliability](#)
Saransh Mogha, Process Engineer, Wood PLC

12:30-12:50 [Optimising upstream production performance using Lean Six Sigma: a practical approach to operational excellence](#)
Shuhada Md Rifin, Principal Engineer (Upstream Production Planning), Petroliam Nasional Berhad (PETRONAS)

11:30-11:50 [Production of green hydrogen from RO reject water](#)
Ibrahim Omran, Utilities Department Head, Alexandria Mineral Oil Company (AMOC)

11:50-12:10 [Benchmark Suez green ammonia project](#)
Ahmed Bahgat, Chairman & CEO, Benchmark Power International

12:10-12:30 [Design, simulation, and experimental validation of a green hydrogen production system using alkaline water electrolysis](#)
Shahd Khaled, Engineer, Coventry University

12:30-12:50 [Barriers in green hydrogen projects: pathways to accelerate hydrogen economy in Egypt's SC zone](#)
Alaa Mostafa Abdel Rahime, Energy Efficiency & Sustainability Expert, Egyptian Petrochemical Holding Company (ECHEM)

WEDNESDAY 1 APRIL 2026



CATEGORY: DECARBONISATION, ENERGY TRANSITION AND ENERGY EFFICIENCY (DTE)
 SESSION: 45
 TITLE: METHANE MITIGATION AND EMISSIONS DATA MANAGEMENT
 LOCATION: ROOM 3



CATEGORY: DIGITALISATION (DIGI)
 SESSION: 46
 TITLE: ENERGY, EFFICIENCY AND EMISSIONS MANAGEMENT THROUGH AI AND ML
 LOCATION: ROOM 4

SESSION CHAIRS

Lamiaa Abo Shahba, General Manager, Gas Market Activities, Egyptian Natural Gas Holding Company (EGAS)

SESSION CHAIRS

Abdallah Wagdy, Sales Engineer & Digital Champion, SLB

Abdelkader Elbadry, Planning & Projects Control Manager, Belayim Petroleum Company (Petrobel)

PRESENTATION TITLES AND SPEAKERS

11:30-11:50	Reducing emissions data latency with AI and advanced satellite and aircraft sensing systems to shape climate response strategies Mamdouh Mohamed Eloufy, MENA Account Director, O&G, GHGSat Inc.	11:30-11:50	Smart emission monitoring: machine learning-driven methane profiling for the oil & gas value chain Maura Pasquotti, Senior Digital Services Product Manager, Baker Hughes
11:50-12:10	Maximising the outcomes of a flared gas recovery case study Mohamed Gaber, Process Design Section Head, Petrojet	11:50-12:10	A novel approach to predicting rate of penetration in geothermal drilling: leveraging geomechanical & petrophysical data and advanced machine learning algorithms Ahmed Saad, Petroleum Engineer, Chevron Petroleum Corporation
12:10-12:30	Methane emissions accounting and reduction plan for financial institutions Sabrina Hafdhallah, Carbon Reduction Engineer Consultant, RINA Consulting S.p.A.	12:10-12:30	AI agent for DDR auditing Ali Mahmoud Atwa, Technical Solution Advisor, Drilling & Completions, Halliburton
12:30-12:50	AI-driven methane management for comprehensive emissions control across the oil and gas value chain Mohamed Elshafeiy, Laboratory & Quality Control Assistant General Manager, WEPCO	12:30-12:50	AI-assisted virtual flow metering Muhammad Arsalan, Petroleum Engineering Consultant, Saudi Aramco

WEDNESDAY 1 APRIL 2026



CATEGORY: OIL AND GAS FIELD DEVELOPMENT (FD)
 SESSION: 47
 TITLE: OPTIMISING FIELD PRODUCTION AND ENHANCEMENTS
 LOCATION: ROOM 5



CATEGORY: PEOPLE AND TALENT DEVELOPMENT (PPL)
 SESSION: 48
 TITLE: NEXT-GEN ENERGY LEADERSHIP AND WORKFORCE
 LOCATION: ROOM 6

SESSION CHAIRS

Kareem Basha, Petroleum Engineering Team Lead, bp

Maria Leticia Vazquez, Production Enhancement Business Development Manager, SLB

SESSION CHAIRS

Ahmed Maher, Human Resources Consultant, Rashpetco (Shell-JV)

Haytham El Kady, Procurement Lead, SLB

PRESENTATION TITLES AND SPEAKERS

11:30-11:50	Hidden potential in Western Desert, discovery of PHIOPS-WEST Field Sergey Tarasov, Exploration Development Geology Advisor, Apache Corporation	11:30-11:50	The power of NLP in building effective team Rehab Yehia, NLP Practitioner-IN, Egyptian Maintenance Company (EMC)
11:50-12:10	Maximising production through a combination of new technologies deployment and best practices implementation in thermal gas oil gravity drainage (TGOGD) field Suhaib Ali, Senior Production Technologies, Petroleum Development Oman (PDO)	11:50-12:10	Competency-driven excellence: shaping the workforce of tomorrow Robert Taylor, Vice President Business Development, IHRDC
12:10-12:30	Improving the volumetric sweep efficiency in a heavy oil tight matrix fractured carbonate system with continuous steam injection Ahmed Agwa, Reservoir Engineer, Scimitar Production Egypt Ltd. (SPEL)	12:10-12:30	From academia to industry: teaching agile and data literacy to future energy leaders AbdelRahman Elkattan, Lecturer, MSA University
12:30-12:50	Economic breakthrough in heavy oil production - spring-loaded valves innovation improves sucker rod pump efficiency and reduces OPEX in harsh heavy oil wells in Oman: a 30% production boost success case study Abu Elfotouh, Artificial Lift Account Manager, Lufkin	12:30-12:50	Digital competency assurance: preparing high-quality operators for the future of methanol production Ahmed ElKhadrawy, Manufacturing Capability Senior Consultant, Methanex

WEDNESDAY 1 APRIL 2026



CATEGORY: OPERATIONAL EXCELLENCE (OEX)
SESSION: 49
TITLE: APPLICATIONS FOR IMPROVING ASSET INTEGRITY AND MAINTENANCE STRATEGIES
LOCATION: ROOM 1



CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR (ALT)
SESSION: 50
TITLE: BUILDING HYDROGEN OPERATIONS AND INFRASTRUCTURE
LOCATION: ROOM 2

SESSION CHAIRS

Basel Eskander, Product & Service Delivery Manager, SLB

SESSION CHAIRS

Heba Beshr Nasr, Assistant General Manager, Gas Market Activities, Egyptian Natural Gas Holding Company (EGAS)

PRESENTATION TITLES AND SPEAKERS

14:00-14:20	Integrated PSM-AIM (process safety management – asset integrity management) in risk-based approach Moataz Nour, General Manager, Process Safety, Rashpetco (Shell)
14:20-14:40	Pipeline integrity management: strategic response to threats in offshore assets Mohamed Nabil Negida, Asset Integrity Engineer, Belayim Petroleum Company (Petrobel)
14:40-15:00	Evaluating magnetic bearings in energy applications Jeff Earl, Vice President, Business Development & Marketing, Sapphire Technologies, Inc.
15:00-15:20	From maintenance to mastery: enhancing asset reliability and lifespan Ayman Hamdi, Maintenance Department Head, WASCO Petroleum Company

14:00-14:20	Underground hydrogen storage in Egypt: geological and infrastructure considerations Wietse ter Veld, Green Hydrogen Subject Matter Expert (ME), AtkinsRéalis
14:20-14:40	A novel bi-functional pyro-electrolysis technology with wastewaters and CO₂ as feedstock to synthesise green hydrogen, O₂ and syngas using non-PGM GDL, MEA and electrocatalyst Steve R Campbell, Chief Executive Officer, Alphios Finergy Private Limited
14:40-15:00	Building green hydrogen using waste energy Karim Elrouby, Mechanical Engineer, Freelancer
15:00-15:20	Hydrogen-natural gas blending for efficient power generation in gas turbines Ahmed Loutfy, Mechanical Engineering Student, Faculty of Engineering, Alexandria University

WEDNESDAY 1 APRIL 2026



CATEGORY: DECARBONISATION, ENERGY TRANSITION AND ENERGY EFFICIENCY (DTE)
SESSION: 51
TITLE: RENEWABLE ENERGY AND ELECTRIFICATION
LOCATION: ROOM 3



CATEGORY: DIGITALISATION (DIGI)
SESSION: 52
TITLE: ENERGY INDUSTRY EVOLUTION VIA DIGITAL TWINS
LOCATION: ROOM 4

SESSION CHAIRS

Myrsini Gazela, Business Development Manager, ASPROFOS S.A

SESSION CHAIRS

Abdallah Wagdy, Sales Engineer & Digital Champion, SLB
 Sally Nasr, General Manager, Strategies & Decision Support, Egyptian Natural Gas Holding Company (EGAS)

PRESENTATION TITLES AND SPEAKERS

14:00-14:20	Full replacement of diesel generators with solar PV system on offshore platform AMAL-A Zakareya Elgayar, Deputy HSE General Manager, Amapetco, Chevron Petroleum Corporation
14:20-14:40	Hydrogen innovative applications in the mobility sector and power generation Mohamed Amr, Co-Founder & Chief Marketing Officer, Jadeed Climate Tech
14:40-15:00	Electrification of transportation and green mobility solutions Ahmed Al Damrawy, Chief Executive Officer, Alternative Mobility GmbH
15:00-15:20	Turning ICE to EV: a localised retrofit model to accelerate energy transition and cut emissions Ali Abdelaziz, Chief Executive Officer, ECO Cars

14:00-14:20	Revolutionising asset management in hazardous environments: a QR code-driven framework for enhanced operational efficiency and ERP integration Ayman Khoshouey, Assistant General Manager, Gulf of Suez Petroleum Company (GUPCO)
14:20-14:40	Power transformers as potential bottleneck for grid expansions Thomas Kessler, Global Portfolio & Market Application Manager, Siemens Energy
14:40-15:00	Intelligent substations: powering the digital transformation of the oil & gas industry in the fourth industrial revolution Mohamed Elfayoumy, Digital Lead Engineer, Hitachi Energy L.L.C
15:00-15:20	Digital solution based on IIoT, AI, digital twin and digital platform driving efficiency, visibility, control and enhancing safety Wael Akkad, Business Development Manager, MEA, NOV

WEDNESDAY 1 APRIL 2026



CATEGORY: OIL AND GAS FIELD DEVELOPMENT (FD)
SESSION: 53
TITLE: INNOVATIVE EOR IN MATURE AND BROWNFIELD ASSETS
LOCATION: ROOM 5



CATEGORY: HEALTH AND SAFETY (HS)
SESSION: 54
TITLE: DIGITAL AND SMART SAFETY SOLUTIONS IN HSE
LOCATION: ROOM 6

SESSION CHAIRS

Ahmed Nasser, Well Construction & Completions Operations Manager, Weatherford

Ahmed Rabie, Subsurface Senior Manager, United Energy Egypt

SESSION CHAIRS

Mohamed ElBanhawy, Health, Safety & Environment Manager, bp

Taher Patwa, Environmental Health & Safety Senior Manager, Apache Corporation

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 **Revitalising mature sour oil fields: an integrated approach to assisted gas lift and foamed well interventions in the Cárdenas-Mora contractual area, Mexico**
Alejandro Ivan Hernandez Martinez, Process Engineer, Cheiron Petrolera Cardenas Mora

14:20-14:40 **Innovative roles of nanomaterials in improving polymer flooding performance: advancements in enhanced oil recovery**
Khalaf Salem, Reservoir Engineering Assistant General Manager, South Valley Egyptian Petroleum Holding Co. (GANOPE)

14:40-15:00 **Brownfield redemption through advanced reservoir surveillance and development concepts: a case study of Alamein Dolomite Reservoir, Yidma Field, Western Desert**
Karim Ramadan, Senior Reservoir Engineer, El-Hamra Oil Company (EHO)

15:00-15:20 **Integrated wettability alteration and near-wellbore remediation using MicroEmulsion technology to enhance oil recovery in mature reservoirs**
Omar Gneedy, Business Development Manager, Alkhorayef Petroleum

14:00-14:20 **Enhancing workers' safety in hazardous environments using an innovative wearable multi-gas monitoring system**
Ashutosh Kumar, Field Engineer, TAQA

14:20-14:40 **Leveraging generative AI with agentic retrieval-augmented generation systems for creating an HSE knowledge hub in incident management**
Ahmed Moussa, Data Scientist, Agiba Petroleum Company

14:40-15:00 **Enhancing emergency response in the energy sector through autonomous drone integration**
Samer Hanafi, QHSE Section Head, Horizon Chemical

15:00-15:20 **Innovating worker safety: design of advanced safety helmets with heat protection and health monitoring**
Abdelaziz Atef Elsaid, Drilling Fluids Engineer, Baker Hughes

TECHNICAL COMMITTEE MEMBERS



Downstream: Refining Technology, Operations and Marketing (REF) **1**

- **Category Chairperson:** Ahmed Khairat, Assistant General Manager, Egyptian Petrochemicals Holding Company (ECHEM)
- Ayman Mohamed Abdelmonem Hashish, General Manager, Egyptian General Petroleum Corporation (EGPC)
- Morfoula Tsantekidou, Operator, Oil Supply & Sales, Operations Division, HELLENiQ Petroleum S.A.
- Wael Mokhtar, Senior Vice President, Business Development, Egyptian Petrochemicals Holding Company (ECHEM)



Upstream: Exploration of Unconventional Resources (UNCONV) **4**

- **Category Chairperson:** Ahmed Rizk, Senior Geophysicist, Energean
- Ahmed Lotfy, Head, Subsurface, United Energy Egypt
- Moataz Nady, Exploration Technical Advisor, Eni
- Mostafa Ashraf, Sales Lead, Egypt & Algeria Completion Services, Baker Hughes
- Tharwat Hassane, Operations General Manager, Sahara Oil & Gas
- Alaa Hassan, Health, Safety & Environment Lead, Shell



Downstream: Petrochemicals Technology and Operations (PET) **2**

- Ahmed Khairat, Assistant General Manager, Egyptian Petrochemicals Holding Company (ECHEM)
- Maher Hussein, Engineering Manager, Methanex
- Wael Mokhtar, Senior Vice President, Business Development, Egyptian Petrochemicals Holding Company (ECHEM)



Gas/LNG Processing, Operations and Technology (GAS) **5**

- **Category Chairperson:** Khaled ElGammal, General Manager, LNG/Gas Trading, Export & Import Activities, Egyptian Natural Gas Holding Company (EGAS)
- Ahmed Shaheen, Operations & Asset Integrity Manager, Petrolia Nacional Berhad (PETRONAS)
- Hamada Ahmad Mohamad, General Manager, Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)
- Mohamed Elgebaly, Gas Production General Manager, Egyptian Natural Gas Holding Company (EGAS)



Upstream: Exploration of Conventional Resources (CONV) **3**

- **Category Chairperson:** Haitham Al-Attar, Senior Exploration Advisor, Chevron
- Ahmed Kamal, Deputy Chief Executive Officer, Exploration, Egyptian General Petroleum Corporation (EGPC)
- Ahmed Zaky, Senior Geophysicist, Energean
- Aristotelis Pagoulatos, Geoscientists Department Manager, HELLENiQ Upstream
- Mahmoud Gabr, Subsurface Manager, bp
- Mohamed Farouk, Deputy Asset Manager, United Energy Egypt
- Mohamed Said, Principal Production Geologist, Rashpetco (Shell-JV)



Midstream: Infrastructure, Transportation and Storage (MID) **6**

- **Category Chairperson:** Morfoula Tsantekidou, Operator, Oil Supply & Sales, Operations Division, HELLENiQ Petroleum S.A.
- Hamada Ahmad Mohamad, General Manager, Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)
- Hany Salah, Assistant General Manager, Natural Gas Operations, Egyptian Natural Gas Holding Company (EGAS)
- Walaa Basuony Abdelhady, General Manager, Egyptian General Petroleum Corporation (EGPC)



Offshore and Subsea Production, Operations and Technology (OS)

7

NEW FOR 2026

- **Category Chairperson:** Ahmed Shaheen, Operations & Asset Integrity Manager, Petroliam Nasional Berhad (PETRONAS)
- Dimitrios Sarris, Operations Department Manager, DESFA
- Fairouz Embaby, Product & Service Delivery Manager, SLB
- Hossam EIDandarawy, MENATI Engineering & Technology Manager, Baker Hughes
- Mohamed Hafez, Subsurface Manager, Petroliam Nasional Berhad (PETRONAS)



Hydrogen, Biofuels, Alternative Fuels, Nuclear (ALT)

9

- **Category Chairperson:** Bassam Elzanaty Sherait, General Manager, Egyptian Natural Gas Holding Company (EGAS)
- Heba Beshr Nasr, Assistant General Manager Gas Market Activities, Egyptian Natural Gas Holding Company (EGAS)
- Manolis Markakis, Senior Director, Oil Supply & Sales, HELLENiQ Petroleum S.A.
- Mostafa Kortam, Assistant General Manager, Delegation, Belayim Petroleum Company (Petrobel)
- Sally Anwar, General Manager, Operations, Egyptian Petrochemicals Holding Company (ECHEM)



Energy Economics, Governance, Agreements and Finance (EGAF)

12

NEW FOR 2026

- **Category Chairperson:** Mohamed Samir, Senior Manager, Petroleum Engineering, IPR Energy Group
- Emmanouela Angelidaki, Asset Remuneration Senior Manager, DESFA
- Haitham Al-Attar, Senior Exploration Advisor, Chevron
- Hany Shaker Hashem, General Manager, Egyptian General Petroleum Corporation (EGPC)
- Nevine Hussein, Senior Head of Planning, United Energy Egypt
- Sally Anwar, General Manager, Operations, Egyptian Petrochemicals Holding Company (ECHEM)
- Walaa Shehoud, Assistant Vice Chief Executive Officer, Agreements, Egyptian Natural Gas Holding Company (EGAS)



Project Management and Execution (PM)

15

- **Category Chairperson:** Ashay Sharma, Project Director, Baker Hughes
- Ahmed Shaheen, Operations & Asset Integrity Manager, Petroliam Nasional Berhad (PETRONAS)
- Bassam Elzanaty Sherait, General Manager, Egyptian Natural Gas Holding Company (EGAS)
- Mohamed Elreedy, General Manager, Gulf of Suez Petroleum Company (GUPCO)
- Sally Nasr, General Manager, Strategies & Decision Support, Egyptian Natural Gas Holding Company (EGAS)
- Yasser Elsayw, General Manager, Maintenance, Egyptian LNG



Decarbonisation, Energy Transition and Energy Efficiency (DTE)

8

NEW FOR 2026

- **Category Chairperson:** Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi
- Ahmed Baghdadi, Senior Geomechanics Specialist, Baker Hughes
- Aser Abdelaziz, New Business Manager, Egypt Upstream Gateway, Ministry of Petroleum & Mineral Resources
- Daniele Porciani, Digital Services Solutions Leader, Baker Hughes
- Dimitrios Leventos, Environmental Management & Sustainable Development Department Manager, HELLENiQ Energy Holdings
- Ioannis Stavrakopoulos, Energy Transition & Strategic Planning Specialist, DESFA
- Kleopatra Avraam, Strategic Planning Senior Manager, DESFA
- Konstantinos Fournaris, Environment Department Manager, DESFA
- Lamiaa Abo Shahba, General Manager, Gas Market Activities, Egyptian Natural Gas Holding Company (EGAS)
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- Myrsini Gazela, Business Development Manager, ASPROFOS S.A.
- Nevine Hussein, Senior Head of Planning, United Energy Egypt



Renewable Energy (RE)

10

NEW FOR 2026

- **Category Chairperson:** Aser Abdelaziz, New Business Manager, Egypt Upstream Gateway, Ministry of Petroleum & Mineral Resources
- Haitham Al-Attar, Senior Exploration Advisor, Chevron
- Mohamed Hamdy, Project Development Lead, United Energy Egypt
- Mohamed Refaat, General Manager, Egyptian General Petroleum Corporation (EGPC)



Environmental Sustainability and Climate Change (ESC)

11

- **Category Chairperson:** Alaa Hassan, Health, Safety & Environment Lead, Shell
- Ahmed Baghdadi, Senior Geomechanics Specialist, Baker Hughes,
- Ahmed M. Ibrahim, Sustainability Department, Eni leoc
- Dimitrios Leventos, Environmental Management & Sustainable Development Department Manager, HELLENiQ Energy Holdings
- Hany Salah, Assistant General Manager, Natural Gas Operations, Egyptian Natural Gas Holding Company (EGAS)
- Lamiaa Abo Shahba, General Manager, Gas Market Activities, Egyptian Natural Gas Holding Company (EGAS)
- Mohamed ElBanhawy, Health, Safety & Environment Manager, bp
- Naglaa Mohamed Tawfik, General Manager, Egyptian General Petroleum Corporation (EGPC)
- Wael Amin, Senior Head, Health, Safety & Environment, United Energy Egypt



Digitalisation (DIGI)

13

- **Category Chairperson:** Daniele Porciani, Digital Services Solutions Leader, Baker Hughes
- Abdallah Wagdy, Sales Engineer & Digital Champion, SLB
- Abdelkader Elbadry, Planning & Projects Control Manager, Petrobel
- Mohamed Samir Saber, Senior Regional Sales Manager, Egypt, Libya & East Africa – Cordant Solutions, Baker Hughes
- Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi
- Mostafa Kortam, Assistant General Manager, Delegation, Belayim Petroleum Company (Petrobel)
- Sally Nasr, General Manager, Strategies & Decision Support, Egyptian Natural Gas Holding Company (EGAS)



Operational Excellence (OEX)

16

- **Category Chairperson:** Mohamed Abdelhady, Production & Fields General Manager, Khalda Petroleum Company
- Basel Eskander, Product & Service Delivery Manager, SLB
- Mohamed Atwa, Senior Production Technology Manager, United Energy Egypt
- Mohamed Hafez, Subsurface Manager, Petroliam Nasional Berhad (PETRONAS)
- Mohamed Karara, Production Support Manager, bp
- Robert Warmerdam, Asset Operations General Manager, Rashpetco (Shell-JV)
- Yasser El Masry, Operations Manager, Egypt, IPR Energy Group



Health and Safety (HS)

14

- **Category Chairperson:** Wael Amin, Senior Head, Health, Safety & Environment, United Energy Egypt
- Ali Barakat, Health, Safety, Environment & Carbon Site Advisor, bp
- Bassam Elzanaty Sherait, General Manager, Egyptian Natural Gas Holding Company (EGAS)
- Mohamed ElBanhawy, Health, Safety & Environment Manager, bp
- Taher Patwa, Environmental Health & Safety Senior Manager, Apache Corporation
- Tamer Aieysh, Chief Executive Officer Assistant, Health, Safety & Environment, Egyptian General Petroleum Corporation (EGPC)



People and Talent Development (PPL)

17

- **Category Chairperson:** Ahmed Maher, Human Resources Consultant, Rashpetco (Shell-JV)
- Abdelkader Elbadry, Planning & Projects Control Manager, Petrobel
- Aser Abdelaziz, New Business Manager, Egypt Upstream Gateway, Ministry of Petroleum & Mineral Resources
- Haytham El Kady, Procurement Lead, SLB
- Wafaa Tantawy, Senior Head, Human Resources & Administration, United Energy Egypt

Geoscience
(GEO)

18

- **Category Chairperson:** Ahmad Hussein, Senior Geophysicist, bp
- Amr Taqey, Senior Geophysicist, SLB
- Maha Khattab, Global Solutions Geophysicist, bp
- Moataz Nady, Exploration Technical Advisor, Eni
- Shehab Elghazaly, Geoscience Team Lead, bp

Oil and Gas Field
Development (FD)

19

- **Category Chairperson:** Darius Shamsavari, Senior Vice President, IPR Energy Group
- Ahmed Nasser, Well Construction & Completions Operations Manager, Weatherford
- Ahmed Rabie, Subsurface Senior Manager, United Energy Egypt
- Hossam ElDandarawy, MENATI Engineering & Technology Manager, Baker Hughes
- Kareem Basha, Petroleum Engineering Team Lead, bp
- Maria Leticia Vazquez, Production Enhancement Business Development Manager, SLB
- Mohamed Abdelhady, Production & Fields General Manager, Khalda Petroleum Company
- Mohamed Hafez, Subsurface Manager, Petroliam Nasional Berhad (PETRONAS)



Drilling and Completions (DC)

20

NEW FOR 2026

- **Category Chairperson:** Hafez Elshamy, General Manager, Egyptian General Petroleum Corporation (EGPC)
- Abdallah Abouelazm, Digital Drilling Engineer, SLB
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- Ahmed Sorour, Sales Engineer, SLB
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- Ruslan Kasumov, Drilling Engineer, SLB

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