

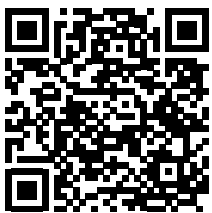
HELD UNDER THE PATRONAGE OF HIS EXCELLENCY ABDEL FATTAH EL SISI
PRESIDENT OF THE ARAB REPUBLIC OF EGYPT



19-21 FEBRUARY 2024 | EGYPT INTERNATIONAL EXHIBITION CENTER

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Sustainability in
Energy Conference
Sessions

9

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7

African Dialogue
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Sessions

5

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Sessions

The EGYPES 2024 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.

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We need to strike a balance between energy security and energy transition, and decarbonisation is the way forward. Expanding EGYPES to the full energy value chain makes sense...this expansion will attract a wider network of attendees and companies from both the executive and technical level to see how we can collaborate.



SAMEH SABRY

Senior Vice President & Managing Director (Egypt),
Wintershall DEA






















CRAFTED BY SEASONED ENGINEERS, EXCLUSIVELY FOR TECHNICAL SPECIALISTS

At the intersection of innovation and expertise, the EGPES 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 EGPES 2024 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.

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ADDRESSING 19 TECHNICAL CATEGORIES

-  Downstream: Refining Technology, Operations and Marketing (REF)
-  Downstream: Petrochemicals Technology and Operations (PET)
-  Upstream: Exploration of Conventional Resources (CONV)
-  Upstream: Exploration of Unconventional Resources (UNCONV)
-  Gas/LNG Processing, Operations and Technology (GAS)
-  Midstream: Transportation, Storage and Infrastructure (MID)
-  Offshore and Marine Production, Technology and Operations (MAR)
-  Environmental Sustainability, Climate Change and Energy Transition (ENV)
-  Hydrogen, biofuels, alternative fuels, nuclear and renewable energy (ALT)
-  Oil and Gas Economics, Concession Agreements and Project Finance (FIN)
-  Digitalisation of Oil and Gas (DIGI)
-  Health and Safety (HS)
-  Project Management and Execution (PM)
-  Operational Excellence (OpEx)
-  People and Talent Development (PPL)
-  Geoscience: Upstream Technology Developments (GEOT)
-  Oil and Gas Field Development (FD)
-  Drilling (DR)
-  Completions (COMPL)

SESSIONS PREVIEW

MONDAY - WEDNESDAY
19 - 21 FEBRUARY
2024

	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	
DAY 1 MONDAY 19 FEBRUARY	14:30-16:00	CATEGORY: GAS SESSION 1 Natural Gas/LNG tech and innovation	CATEGORY: DR SESSION 2 Drilling technologies and solutions	CATEGORY: PPL SESSION 3 Creating diversity and change management	CATEGORY: UNCONV SESSION 4 Unconventional resource development	CATEGORY: PM SESSION 5 Successful project management and execution
	16:00-17:30	CATEGORY: GAS SESSION 6 Gas production and processing	CATEGORY: DR SESSION 7 Drilling practices and performance enhancement	CATEGORY: PPL SESSION 8 Innovation in talent development	CATEGORY: GEOT SESSION 9 Geoscience advances and technologies	CATEGORY: ENV SESSION 10 CCS and CCUS project experiences
DAY 2 TUESDAY 20 FEBRUARY	10:00-11:30	CATEGORY: PET SESSION 11 Petrochemical operations and tech developments	CATEGORY: MAR SESSION 12 Innovative offshore and marine tech	CATEGORY: ALT SESSION 13 Hydrogen production, infrastructure and deployment	CATEGORY: FIN SESSION 14 Market trends, carbon credits and contracts	CATEGORY: ENV SESSION 15 Embracing circular economy - RRRR
	11:30-13:00	CATEGORY: REF SESSION 16 Refining and petrochemical integration and innovation	CATEGORY: MAR SESSION 17 Offshore and marine operations	CATEGORY: ALT SESSION 18 The power of renewables	CATEGORY: FIN SESSION 19 Financing Egyptian energy projects	CATEGORY: ENV SESSION 20 Decarbonisation pathways
	14:00-15:30	CATEGORY: REF SESSION 21 Refinery economics: decreasing costs and increasing profitability	CATEGORY: MID SESSION 22 Pipeline operations, technology and infrastructure	CATEGORY: ALT SESSION 23 Integrating alternatives in the energy mix	CATEGORY: CONV SESSION 24 Conventional prospect evaluation	CATEGORY: ENV SESSION 25 Flaring reduction, recovery and reinjection
	15:30-17:00	CATEGORY: DIGI SESSION 26 Digital transformation best practices	CATEGORY: HS SESSION 27 Process safety innovation	CATEGORY: ALT SESSION 28 Biofuel feedstock innovation	CATEGORY: CONV SESSION 29 Conventional reservoir characterisation	CATEGORY: ENV SESSION 30 Methane emission reduction strategies
DAY 3 WEDNESDAY 21 FEBRUARY	10:00-11:30	CATEGORY: DIGI SESSION 31 Big data and advanced analytics	CATEGORY: HS SESSION 32 Process and occupational safety	CATEGORY: OpEx SESSION 33 Efficiency and cost optimisation driven by intelligent automation	CATEGORY: FD SESSION 34 Production optimisation: case studies	CATEGORY: ENV SESSION 35 Reducing GHG emissions - opportunities
	11:30-13:00	CATEGORY: DIGI SESSION 36 AI and ML	CATEGORY: COMPL SESSION 37 Well intelligence and production enhancement	CATEGORY: OpEx SESSION 38 Improving energy efficiency, asset integrity and product quality	CATEGORY: FD SESSION 39 Integrated field development	CATEGORY: ENV SESSION 40 Hydrogen production and utilisation
	14:00-15:30	CATEGORY: DIGI SESSION 41 Digital twins	CATEGORY: COMPL SESSION 42 Well integrity management and technology	CATEGORY: OpEx SESSION 43 Asset innovation, cost and technical optimisation	CATEGORY: FD SESSION 44 EOR innovation and technology	CATEGORY: ENV SESSION 45 Environmental response and sustainable innovation

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TECHNICAL COMMITTEE MEMBERS

Downstream: Refining Technology, Operations and Marketing (REF)

- Mohamed Fathy, Manager, EGPC
- Walid Gebril, General Manager, EGPC

Downstream: Petrochemicals Technology and Operations (PET)

- Ahmed Khairat, Department Manager - Operation, ECHEM
- Amr Salah, General Manager Corporate Follow-up - Operations, ECHEM
- Mohamed Fathy, Manager, EGPC
- Sally Anwar, General Manager Companies Development - Operation, ECHEM
- Walid Gebril, General Manager, EGPC
- Wael Mokhtar, General Manager - Business Development, ECHEM

Upstream: Exploration of Conventional Resources (CONV)

- **Category chairperson:** Isabel Geerdes, Egypt Asset Manager and Deputy Exploration Manager, Chevron
- Ahmed Abdelfattah, Drilling Services and LWD SDM, Baker Hughes
- Ahmed Rizk, Senior Geophysicist, Energean Egypt Limited
- Ahmed Sultan, Petrophysics Department Manager, Tharwa Petroleum Company
- Ahmed Zaky, Senior Geophysicist, Energean Egypt Limited
- Alexander Karvelas, MENA New Ventures Lead, SLB
- Fareed Aly, Asset Subsurface Manager, United Energy Egypt
- Mahmoud Gabr, Subsurface Manager, bp
- Moataz Nady, Exploration Technical Advisor, ENI

Upstream: Exploration of Unconventional Resources (UNCONV)

- **Category chairperson:** Maxim Mikhaltsev, Exploration Manager - MENA, SLB
- Ahmed Lotfy, Asset Subsurface Manager, United Energy Egypt
- Isabel Geerdes, Egypt Asset Manager and Deputy Exploration Manager, Chevron
- Mohamed Said, Reservoir Technical Services Area Lead - Egypt & Sudan, Baker Hughes
- Tharwat Hassane, Head of Petroleum and Capitalised Engineering, The Egyptian Chinese University (ECU)

Gas/LNG Processing, Operations and Technology (GAS)

- **Category chairperson:** Sally Salah Nasr, Assistant General Manager for NG/LNG Exports and Imports Activities, EGAS
- Hamada Ahmed Frahat, General Manager of Gas Processing Facilities Studies, EGAS
- Khaled Gad, ELNG & Offshore Assets Manager, Shell Egypt N.V.
- Stathis Zacharakis, Business Development Director, ASPROFOS Engineering

Midstream: Transportation, Storage and Infrastructure (MID)

- **Category chairperson:** Khaled Elgammal, General Manager for LNG/Gas Export and Import Activities and Facilities Follow-up, EGAS
- Aly Talha, Egypt Lead Engineer, ExxonMobil
- Khaled Gad, ELNG & Offshore Assets Manager, Shell Egypt N.V.
- Mohamed Magdi, Environment & Property Solutions Project Manager, ExxonMobil

Offshore and Marine Production, Technology and Operations (MAR)

- **Category chairperson:** Khaled Gad, ELNG & Offshore Assets Manager, Shell Egypt N.V.
- Mohamed El-Reedy, General Manager, GUPCO
- Walid Ramadan, MENATI Product Line Director - Subsea Projects & Services, Baker Hughes

Environmental Sustainability, Climate Change and Energy Transition (ENV)

- **Category chairperson:** Heba El Karrar, Social Investment Lead, Shell
- Ahmed Ibrahim, Sustainability Coordinator, ENI IEOC
- Antonios Mountouris, Head of HSE & Sustainable Development, HELLENiQ Energy
- Benson Egbeverie, QHSE Director, Egyptian Liquefied Natural Gas
- Hafez El Shamy, Production General Manager, EGPC
- Mohamed Fathy, Manager, EGPC
- Mohamed Refaat, Department Manager, EGPC
- Mohamed Talaat, Energy Efficiency Assistant General Manager, EGPC
- Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi
- Mohammed Al-Habib, Regional Executive Director for Energy Transition, Baker Hughes
- Mostafa El Shazly, Production Engineer, EGPC
- Stathis Zacharakis, Business Development Director, ASPROFOS Engineering
- Wael Amin, Head of HSE, United Energy Egypt
- Walid Gebril, General Manager, EGPC

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

- **Category chairperson:** Stathis Zacharakis, Business Development Director, ASPROFOS Engineering
- Manolis Markakis, Senior Director, Supply, Exports & Operations, HELLENIC Petroleum RSSOPP

Oil and Gas Economics, Concession Agreements and Project Finance (FIN)

- **Category chairperson:** Ahmed Sultan, Petrophysics Department Manager, Tharwa Petroleum Company
- Hossameldeen ElDandarawy, Middle East, Turkey & India Engineering Manager, Subsea Development Projects, Baker Hughes
- Nevine Hussein, Head of Planning, United Energy Egypt

Digitalisation of Oil and Gas (DIGI)

- **Category chairperson:** Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi
- Mohamed Magdi, Environment & Property Solutions Project Manager, ExxonMobil
- Mostafa Kortam, Reservoir Engineering Supervisor, Petrobel
- Soumia Alem, Technical Sales Engineer, SLB

Health and Safety (HS)

- **Category chairperson:** Benson Egbeverie, QHSE Director, Egyptian Liquefied Natural Gas
- Abdel Hamid Nour, Environment Lead, GUPCO
- Lilian Mahfouz, GeoUnit HSE Manager, SLB
- Mohamed Adel, Safety and Sustainability Manager, EGAS
- Mohamed Amin, HSE Manager, Energean Egypt Limited
- Ramy Khallaf, Global HSE Integration Leader, Baker Hughes
- Wael Amin, Head of HSE, United Energy Egypt

Project Management and Execution (PM)

- **Category chairperson:** Kamel El Kholy, OFS Account Manager, SLB
- Khaled Gad, ELNG & Offshore Assets Manager, Shell Egypt N.V.
- Mohamed Magdi, Environment & Property Solutions Project Manager, ExxonMobil
- Mohamed Abdelmonsef, Production Manager, United Energy Egypt
- Mohamed Refaat, Department Manager, EGPC
- Mohamed Talaat, Energy Efficiency Assistant General Manager, EGPC

Operational Excellence (OPEX)

- **Category chairperson:** Aristotelis Pagoulatos, Geoscientists Department Manager, HELPE Upstream
- Mahmoud Hegazy, Head of Operations, United Energy Egypt
- Mohamed Abdelhady, Production and Fields General Manager, Khalda Petroleum Company
- Sherif Shawky, Global Technical Lead for Lubes & Greases, ExxonMobil

People and Talent Development (PPL)

- **Category chairperson:** Wafaa Tantawy, Head of HR & Administration, United Energy Egypt
- Mostafa Kortam, Reservoir Engineering Supervisor, Petrobel
- Sherif Shawky, Global Technical Lead for Lubes & Greases, ExxonMobil
- Shorouk Kandil, GeoUnit Recruiting Manager, SLB

Geoscience: Upstream Technology Developments (GEOT)

- **Category chairperson:** Ahmed Rizk, Senior Geophysicist, Energean Egypt Limited
- Ahmed Zaky, Senior Geophysicist, Energean Egypt Limited
- Ahmed Sultan, Petrophysics Department Manager, Tharwa Petroleum Company
- Isabel Geerdes, Egypt Asset Manager and Deputy Exploration Manager, Chevron
- Mahmoud Gabr, Subsurface Manager, bp
- Mohamed Soliman, Formation Evaluation WL/LWD/RNS - Technical Advisor RTS, Baker Hughes
- Tarek Tarakhan, Senior Specialist Geophysics, United Energy Egypt

Oil and Gas Field Development (FD)

- **Category chairperson:** Osama Shaarawy, Reservoir Management Team Leader, bp
- Ahmed Abdulaal, Well Construction CEC, SLB
- Ahmed Rabie, Senior Specialist Reservoir Engineering, United Energy Egypt
- Darius Shamsavari, Senior Vice President, IPR Energy Group
- Hafez El Shamy, Production General Manager, EGPC
- Hossam Saad, PSL Area/Country Manager, Artificial Lift, Halliburton
- Hossameldeen ElDandarawy, Middle East, Turkey & India Engineering Manager, Subsea Development Projects, Baker Hughes
- Kareem Basha, Petroleum Engineering Team Leader, bp
- Mohamed Abdelhady, Production and Fields General Manager, Khalda Petroleum Company
- Mohamed Refaat, Department Manager, EGPC
- Mohamed Talaat, Energy Efficiency Assistant General Manager, EGPC
- Mostafa El Shazly, Production Engineer, EGPC

Drilling (DR)

- **Category chairperson:** Khaled Alhalawani, Senior Drilling Engineer - Well Construction Division, SLB
- Moataz Moussa, Drilling Manager, United Energy Egypt
- Tharwat Hassane, Head of Petroleum and Capitalised Engineering, The Egyptian Chinese University (ECU)

Completions (COMPL)

- **Category chairperson:** Mohamed Abdelhady, Production and Fields General Manager, Khalda Petroleum Company
- Hafez El Shamy, Production General Manager, EGPC
- Moham Atwa, Engineering General Manager, United Energy Egypt
- Mostafa Ashraf, Sales Account Manager - Completion Services, Baker Hughes
- Mostafa El Shazly, Production Engineer, EGPC

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MONDAY 19 FEBRUARY 2024



CATEGORY: GAS/LNG PROCESSING, OPERATIONS AND TECHNOLOGY (GAS)
SESSION: 1
TITLE: NATURAL GAS / LNG TECH AND INNOVATION
LOCATION: ROOM 1



CATEGORY: DRILLING (DR)
SESSION: 2
TITLE: DRILLING TECHNOLOGIES AND SOLUTIONS
LOCATION: ROOM 2

CO-CHAIRS

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

Khaled Gad, ELNG & Offshore Assets Manager, Shell Egypt N.V.

CO-CHAIRS

Moataz Moussa, Drilling Manager, United Energy Egypt

Mohamed Soliman, Lead Technical Sales - Egypt Reservoir Technical Services, Baker Hughes

PRESENTATION TITLES AND SPEAKERS

14:30-14:50 **LNG Ship Vapor Return and Quench System Egyptian LNG Case Study**
Mohamed Fawzi, Assistant Manager - Process Engineering, Egyptian Liquefied Natural Gas

14:50-15:10 **Technology of Adsorbed Natural Gas (ANG)**
Abdallah Sayed El-Gharbawy, Lecturer, Alexandria University

15:10-15:30 **The purpose of HubZeroNet and the problems it solves. HubZeroNet is a platform that facilitates developing the non-traditional fuels for transport, such as bioLNG and Hydrogen, by accelerating the connection of supply and demand**
Mariano Mercadante, CEO, HubZeroNet SRL

15:30-15:50 **Carbon Dioxide Utilisation Petroleum Engineering: Challenges and Opportunities**
Menatallah Ali, Petroleum Engineer, The American University in Cairo


14:30-14:50 **Bottom Hole Assembly Solution to Deliver First Ever Combined Hole Enlargement While Drilling & Rathole Elimination Deviated Section in the Deep-Water Mediterranean Sea**
Diaa Mohamed, Product & Service Delivery Manager, SLB

14:50-15:10 **Introducing the Power of Augmented Reality Revolutionises Subsea Installation in Gulf of Suez. Case History: First Time in Egypt**
Ahmed Ismail, Drilling Engineering Team Leader, Dragon Oil


15:10-15:30 **Intelligent Downhole Circulation Tool: A Versatile Approach for Risk Mitigation in Well Exploration and Development**
Abdul Mushawwir Bin Mohamad Khalil, Business Support & Technical Manager, MIT Technologies

15:30-15:50 **Successfully Engineered and Delivered Silicate/GEM GP Fluid System for Drilling Highly Problematic Ancestral Nile Fill at North Beni-Suef Area**
Mohamed Kamel Mohamed El-Sayed, Drilling Department Head, Petrosilah

MONDAY 19 FEBRUARY 2024



CATEGORY: PEOPLE AND TALENT DEVELOPMENT (PPL)
SESSION: 3
TITLE: CREATING DIVERSITY AND CHANGE MANAGEMENT
LOCATION: ROOM 3



CATEGORY: UPSTREAM: EXPLORATION OF UNCONVENTIONAL RESOURCES (UNCONV)
SESSION: 4
TITLE: UNCONVENTIONAL RESOURCE DEVELOPMENT
LOCATION: ROOM 4

CHAIR

Wafaa Tantawy, Head of Human Resources,, United Energy Egypt

Nevine Hussein, Head of Planning, United Energy Egypt

CO-CHAIRS

Isabel Geerdes, Egypt Asset Manager and Exploration Manager, Chevron

Ahmed Lotfy, Deputy Exploration General Manager & Board Member, United Energy Egypt

PRESENTATION TITLES AND SPEAKERS

14:30-14:50 **Coaching as an enabler of new leadership for a changing energy environment**
Alla Levadnaya, Managing Director, Growth Associates UK Ltd

14:50-15:10 **HSE Capacity Building Program as an example for improving the process safety competency and creating calibers for change inside the Egyptian oil and gas sector**
Tamer Seddik, Process Safety and Risk Management Senior, United Gas Derivatives Company

15:10-15:30 **Enhancing workplace learning through technology, e-learning, virtual development and knowledge transfer**
Nora Mashhour, Human Resources Department Head, ANOPC


14:30-14:50 **Declare Post-Messinian Low Resistivity Pay Zones Through Integrated Workflow to Evaluate Unrevealed Hydrocarbon Potential, Northeastern Nile Delta, Egypt**
Mohamed Adel Ibrahim Khalil, North Port Said District Department Manager, Belayim Petroleum Company (Petrobel)

14:50-15:10 **Unconventional Prospect Delivery End to End Workflow**
Deepender Bora, Senior Geologist Schlumberger, India


15:10-15:30 **Development and Application of Multi-stage Fracturing Dissolvable Frac Plugs for Horizontal Wells in Mahu Tight Conglomerate Reservoirs**
Haochen Han, Senior Engineer Beijing Petroleum Machinery Co, Ltd.

15:30-15:50 **Post Frac Permeability and Drainage Area Estimation in Tight Gas Reservoirs using Type Curves for Optimisation of Economic Model**
Jahangeer Zafar, Senior Petroleum Engineer, United Energy Pakistan Limited

MONDAY 19 FEBRUARY 2024



CATEGORY: PROJECT MANAGEMENT AND EXECUTION (PM)
SESSION: 5
TITLE: SUCCESSFUL PROJECT MANAGEMENT AND EXECUTION
LOCATION: ROOM 5



CATEGORY: GAS/LNG PROCESSING, OPERATIONS AND TECHNOLOGY (GAS)
SESSION: 6
TITLE: GAS PRODUCTION AND PROCESSING
LOCATION: ROOM 1

CO-CHAIRS

Mohamed Magdi, Environment & Property Solutions Project Manager, ExxonMobil

Mohamed Abdelmonsef, Production Manager, United Energy Egypt

CO-CHAIRS

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

Sally Salah Nasr, Assistant General Manager, NG/LNG Exports and Imports Activities, Egyptian Natural Gas Holding Company (EGAS)

PRESENTATION TITLES AND SPEAKERS

- 14:30-14:50 **User-Centered Design for Enterprise Energy Management Systems**
Aashish Solanki, CEO & Founder, NetBramha Studios
- 14:50-15:10 **Cost Estimation in Energy Efficiency Projects (Fuel Enhancement Project)**
Ahmed Ali, Department Manager, Egyptian Projects Operation and Maintenance (EPROM)
- 15:10-15:30 **Agile Project Management in Oil, Gas, and Petrochemical Industries: A Case Study of Risk Mitigation and Efficiency Strategies in AIB Corp Ltd**
Tendai Stephano, CEO / Project Manager, AIB Corp LTD
- 15:30-15:50 **Ways of killing emission of CO2 in Alam Elshawish facility by reviving the petroleum sector assets to achieve strategic goals of Petrosannan Company**
Mohamed Kaoud, Fields General Manager, Petrosannan


- 16:00-16:20 **Pressure Energy Recovery System for the Natural Gas Midstream Sector**
Jeff Earl, Director, Business Development, Sapphire Technologies, Inc.
- 16:20-16:40 **Mutual Benefits of Integration of Liquid Air Energy Storage (LAES) and e-LG & e-LNG Production Equipment Chain**
Daniel Gimpel, CEO, MADA Analytics
- 16:40-17:00 **Corrosion inhibition of carbon steel in wet acid gas environment using CORR 11631 A: Weight loss and computational investigations**
Nady Diab, Process and Corrosion Department Head, Gulf of Suez Petroleum Company (GUPCO)
- 17:00-17:20 **New pipeline two phase flow calculations using Lockhart Martinelli Curve case study - Assuming liquid turbulent and gas turbulent**
Ayman Khoshouey, Assistant General Manager, Gulf of Suez Petroleum Company (GUPCO)

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MONDAY 19 FEBRUARY 2024



CATEGORY: DRILLING (DR)
SESSION: 7
TITLE: DRILLING PRACTICES AND PERFORMANCE ENHANCEMENT
LOCATION: ROOM 2



CATEGORY: PEOPLE AND TALENT DEVELOPMENT (PPL)
SESSION: 8
TITLE: INNOVATION IN TALENT DEVELOPMENT
LOCATION: ROOM 3

CO-CHAIRS

Moataz Moussa, Drilling Manager, United Energy Egypt

Ahmed Zaky, Senior Geophysicist, Energean Egypt Limited

CO-CHAIRS

Mostafa Kortam, Reservoir Engineering Supervisor, Petrobel

Shorouk Kandil, GeoUnit Recruiting Manager, SLB

PRESENTATION TITLES AND SPEAKERS

- 16:00-16:20 **Underbalance Drilling Feasibility of Directional Wells Using Coiled Tubing**
Mahmoud Samir, Technical Office Manager, EPIC Engineering and Petroleum Services
- 16:20-16:40 **ONGC Has Put Its Exploratory Well Back On Track After Recovering Complete Fish By Spotting Enzyme Pill**
Md Imtiaz, Executive Engineer, Oil & Natural Gas Corporation (ONGC)
- 16:40-17:00 **Informed Decisions Guided by GeoMechanics to Improve Drilling Performance: A Case Study from Onshore Field, Abu Dhabi; UAE**
Salim Benmamar, Sr. GeoMechanics Specialist & (EH) RT- Manager, Baker Hughes
- 17:00-17:20 **Innovative Polymeric Nanoparticles Associated with Engineered Bridging Particles Solve Depleted Reservoir Drilling Challenges (Case Study: Gulf of Suez)**
Youssry Eladly, Project Manager, Egyptian Mud Engineering Chemical Company (EMEC)


- 16:00-16:20 **Installing AI and VR to assist education for neurodivergent and the handicapped**
Maryam Gehad, Student, The American University in Cairo
- 16:20-16:40 **Technical Competences Development System (TCDS) in ELNG**
Ali Qabel, Manager, Technical Competence Management TCM, ELNG
- 16:40-17:00 **Integrating Key Performance Indicators 'KPI's with the Key Risk Indicators 'KRI's**
Lamis Selim, Assistant General Manager in Planning & Follow up, BAPETCO
- 17:00-17:20 **Aligning Total Rewards with Business Strategy in the Energy Sector: A Comprehensive Review**
Sonika Suman, Assistant Professor GL Bajaj Institute of Technology and Management

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MONDAY 19 FEBRUARY 2024



CATEGORY: GEOSCIENCE: UPSTREAM TECHNOLOGY DEVELOPMENTS (GEOT)
SESSION: 9
TITLE: GEOSCIENCE ADVANCES AND TECHNOLOGIES
LOCATION: ROOM 4



CATEGORY: ENVIRONMENTAL SUSTAINABILITY, CLIMATE CHANGE AND ENERGY TRANSITION (ENV)
SESSION: 10
TITLE: CCS AND CCUS PROJECT EXPERIENCES
LOCATION: ROOM 5

CO-CHAIRS

Isabel Geerdes, Egypt Asset Manager and Exploration Manager, Chevron

Ahmed Rizk, Senior Geophysicist, Energean Egypt Limited

CO-CHAIRS


Mohammed Al-Habib, Regional Executive Director for Energy Transition, Baker Hughes

Hafez El Shamy, Production General Manager, EGPC


PRESENTATION TITLES AND SPEAKERS

16:00-16:20	Maximising Data-Driven Decision-Making With Comprehensive Core Data In A Unified And Centralised Corporate Datastore Bibi Hussain Akbar, Senior Geologist, Kuwait Oil Company	16:00-16:20	Positioning Egypt's Nile Delta in the CCUS space Sohini Chatterjee, Senior Analyst, Rystad Energy
16:20-16:40	A Novel Approach to Time-Lapse Logging in Producing Horizontal Wells Using Logging While Tripping (LWT) Technology-A Case Study Review in a Middle East Reservoir Fathy El Wazeer, Petrophysics Expert, Cordax	16:20-16:40	Integrated Modelling and Economic Workflow for Evaluating Viability of CCUS Project: A Case Study Ahmed Samir Rizk, Reservoir Engineer, Khalda Petroleum Company
16:40-17:00	Tapping Moveable Oil Rim In Challenging Matured Oil Field Through The Synergy Geosteering Approach May Sari Hendrawati, Petrophysicist, Petroliam Nasional Berhad (PETRONAS)	16:40-17:00	Passive Well Monitoring System and CCS application Fouzi Bouillouta, Subsea Project and Services Digital PMO
17:00-17:20	Beyond Traditional Ultra-Deep Resistivity: Advanced Applications Enable Comprehensive Reservoir Understanding Ahmed Taher, Regional Geoscience Manager, Halliburton	17:00-17:20	Solutions that can support carbon capture and CO2 transport are already available. Now it's time to learn how to use them! Marat Gizdatullin, Product Manager Cleaner Industries, SICK FZE

TUESDAY 20 FEBRUARY 2024



CATEGORY: DOWNSTREAM: PETROCHEMICALS TECHNOLOGY AND OPERATIONS (PET)
SESSION: 11
TITLE: PETROCHEMICAL OPERATIONS AND TECH DEVELOPMENTS
LOCATION: ROOM 1



CATEGORY: OFFSHORE AND MARINE PRODUCTION, TECHNOLOGY AND OPERATIONS (MAR)
SESSION: 12
TITLE: INNOVATIVE OFFSHORE AND MARINE TECH
LOCATION: ROOM 2

CO-CHAIRS

Sally Anwar, General Manager Companies Development - Operation, ECHEM

Ahmed Khairat, Department Manager-Operation, ECHEM

CO-CHAIRS

Walid Ramadan, MENATI Product Line Director-Subsea Projects & Services, Baker Hughes

Khaled Gad, ELNG & Offshore Assets Manager, Shell Egypt N.V.

PRESENTATION TITLES AND SPEAKERS

10:00-10:20	Oxidative Coupling of Methane: Ethylene Production and Decarbonisation Thijs van Es, Director Business Development, Lummus Technology	10:00-10:20	Applying Circular Economy Principles to Reuse The Decommissioned Offshore Platforms / Rigs Reham K. El-Khadrawy, Assistant General Manager, Egypt Gas
10:20-10:40	Comprehensive Modeling and Dynamic HAZOP Analysis of Operation Constraints for Process Optimisation - A Case Study Eslam Sbaaei, Process Engineer, Suez Oil Processing Company	10:20-10:40	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
10:40-11:00	Effect of Antioxidants on Thermal and Mechanical Properties of Polyethylene Ahmed Balbaa, Sector Manager at Polyethylene General Department, Sidi Kerir Petrochemicals Company (SIDPEC)	10:40-11:00	Offshore Installation of Wind Farm Foundations - Engineering Challenges Charles George, Principal Engineer-Offshore Installation, NMDC Energy
11:00-11:20	Sustainable future through renewables in petrochemicals Alaa Mostafa Abdel Rahime, Assistant General Manager, ECHEM	11:00-11:20	Renewable Energy Production Utilising Abandoned Offshore Platforms Ayman Hamed, Mechanical Maintenance Department Head, Gulf of Suez Petroleum Company (GUPCO)

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TUESDAY 20 FEBRUARY 2024



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

SESSION: 13

TITLE: HYDROGEN PRODUCTION, INFRASTRUCTURE AND DEPLOYMENT

LOCATION: ROOM 3



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

SESSION: 14

TITLE: MARKET TRENDS, CARBON CREDITS AND CONTRACTS

LOCATION: ROOM 4

CO-CHAIRS

Manolis Markakis, Senior Director, Supply, Exports & Operations, HELLENIC Petroleum RSSOPP

Stathis Zacharakis, Business Development Director, ASPROFOS Engineering

CO-CHAIRS

Ahmed Sultan, Petrophysics Department Manager, Tharwa Petroleum Company

Hossameldeen Eldandarawy, Middle East, Turkey and India Systems Engineering, Manager, Baker Hughes

PRESENTATION TITLES AND SPEAKERS

10:00-10:20	Africa: The Powerhouse for Europe's Future Energy Needs Rajeev Pandey, Analyst, Rystad Energy AS
10:20-10:40	Green Hydrogen from theory to deployment Maha Zahran, Risks' Management, and Strategic Planning Manager, Petrojet
10:40-11:00	Hydrogen supply-chain challenges and energy future in Egypt Heba Bahaa Eldeen, Chairman Technical Office, Egyptian Natural Gas Company (GASCO)
11:00-11:20	Storage and Transportation of Hydrogen Chahira M. Taymour A. Hassib, Assistant General Manager, Senior Project Manager, Enppi

10:00-10:20	Carbon Pricing as Climate Change Mitigation Strategy in Developing Countries: Exploring the effectiveness and lesson learned from successful case studies Zeinab Ibrahim, Energy Efficiency Section Head, Egyptian Natural Gas Company (GASCO)
10:20-10:40	Carbon Credits: A Paradigm Shift Towards Money Making Opportunity Moustafa Elshaarawy, Electrical Department Manager, Alexandria National Refining &, Petrochemicals Co. (ANRPC)
10:40-11:00	Deep Water Concession Agreements in Egypt: from Production Sharing to Tax/Royalty Nagy Iskander, CEO, ISKAGAS For Consultancy Company
11:00-11:20	Unlocking New Resources and Boosting Production: Egypt's Renegotiation of Production Sharing Contracts Pranav Joshi, Vice President, Upstream Research, Rystad Energy

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CATEGORY: ENVIRONMENTAL SUSTAINABILITY, CLIMATE CHANGE AND ENERGY TRANSITION (ENV)

SESSION: 15

TITLE: EMBRACING CIRCULAR ECONOMY - RRRR

LOCATION: ROOM 5



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

SESSION: 16

TITLE: REFINING AND PETROCHEMICAL INTEGRATION AND INNOVATION

LOCATION: ROOM 1

CO-CHAIRS

Benson Egbeburie, QHSE Director, Egyptian Liquefied Natural Gas

Mohamed Fathy, Manager, EGPC

CO-CHAIRS

Mohamed Fathy, Manager, EGPC

Walid Gebril, General Manager, EGPC

PRESENTATION TITLES AND SPEAKERS

10:00-10:20	Schneider Electric Approach to Circular Economy: Repair, Reuse, Recycle, Renew Tiziana Paolicelli, Strategic Account Executive, Schneider Electric
10:20-10:40	Mechanical recycling of polyolefins (packaging recycling) and the effect of additives in the mechanical recycling process and end product specifications Ahmed Shoman, Head of Technical Support, ETHYDCO
10:40-11:00	Recycling of used lubricating oil Mohamed Attia Mohamed, Section Head, Alexandria Mineral Oil Company (AMOC)
11:00-11:20	BAPETCO Sewage Treatment Improvement and Comply with action towards achieving the world's collective climate goals (COP 2) Rania Fawzy, Department Head (Technical & Service Contracts), BAPETCO

11:30-11:50	An Emerging Technology in Power Recovery - Case Study Reda Rashwan, Lead Process Engineer, GAPTECH, A GCC Affiliate, KSA
11:50-12:10	Eni-CLG Alliance and the Future of Residue Processing Laura Prosperi, Head of Licensing, Eni
12:10-12:30	NII-Non Intrusive Inspection Abdelnaby Ali, Business Director, SA-International Ltd.
12:30-12:50	CFD Modelling of Condensation Included Water Hammer in Steam Pipes Ahmed Abdulrahman, Technical Lead, Fluid Codes

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

SESSION: 17

TITLE: OFFSHORE AND MARINE OPERATIONS

LOCATION: ROOM 2

CO-CHAIRS

Khaled Gad, ELNG & Offshore Assets Manager, Shell Egypt N.V.

Mohamed El-Reedy, General Manager, Gulf of Suez Petroleum Company (GUPCO)



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

SESSION: 18

TITLE: THE POWER OF RENEWABLES

LOCATION: ROOM 3

CO-CHAIRS

Manolis Markakis, Senior Director, Supply, Exports & Operations, HELLENIC Petroleum RSSOPP

Stathis Zacharakis, Business Development Director, ASPROFOS Engineering

PRESENTATION TITLES AND SPEAKERS

11:30-11:50	Optimisation for oil production using ESP and HJP combined system technique: case study Yasser Elshehabi, Assistant General Manager, Gulf of Suez Petroleum Company (GUPCO)
11:50-12:10	Repairing cladded or sour service pipelines: Saipem's metal seal connector Enrico Girello, Sotsub Project Manager, Saipem SpA
12:10-12:30	Precise 3D Subsea Measurement System Wael Bakr, CEO, MCS Group
12:30-12:50	Deployment of Customised Multi-Purpose Offshore Vessel with Dynamic Positioning Capabilities in Large Scale Well Intervention Operations Hany Abd Elstatar, Marine Operations Manager, TAQA

11:30-11:50	Small Wind Turbines Small-Wind Turbine for Power Generation on Unmanned Offshore Oil and Gas Platforms in Egypt-Case Study Hossam Elbakry, Rotating Equipment Engineer, Suez Oil Company (SUCO)
11:50-12:10	Design and Implementation of a 6 Megawatt Photovoltaic Power Plant Yasmin Saad, Production & Energy Efficiency Engineer, Eni
12:10-12:30	Enhancement of PV Modules Efficiency Maged M. ElFateh, General Manager Assistant, Alexandria Mineral Oil Company (AMOC)
12:30-12:50	Performance Improvement of Wind Generator Using Hybrid Particle Swarm Algorithm and Grey Wolf Optimiser Hebatallah Khaled Abd El Badie, Specialist Electrical Engineer, Engineering for Petroleum and Process (Enppi)

TUESDAY 20 FEBRUARY 2024



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

SESSION: 19

TITLE: FINANCING EGYPTIAN ENERGY PROJECTS

LOCATION: ROOM 4

CO-CHAIRS

Ahmed Sultan, Petrophysics Department Manager, Tharwa Petroleum Company

Nevine Hussein, Head of Planning, United Energy Egypt



CATEGORY: ENVIRONMENTAL SUSTAINABILITY, CLIMATE CHANGE AND ENERGY TRANSITION (ENV)

SESSION: 20

TITLE: DECARBONISATION PATHWAYS

LOCATION: ROOM 5

CO-CHAIRS

Heba El Karrar, Social Investment Lead, Shell

Mohamed Refaat, Department Manager, EGPC

PRESENTATION TITLES AND SPEAKERS

11:30-11:50	The Financial Risk-Foreign Currency Exchange Rate Fluctuation Ibrahim El Sihamy, Department Manager, ETHYDCO
11:50-12:10	Financing for low carbon economy Mariam Yassin, Sustainable, Manufacturing Technologies Assistant General Manager, Egyptian Petrochemical Holding Company (ECHEM)
12:10-12:30	Modes of Finance for Hydrogen Projects Ayman Elbarsiegy, Insurance & Taxes Department Head, Abu Qir Petroleum Company
12:30-12:50	A Techno-Economic Study For The Benefits of Optimising Hydrogen in Refineries (Case Study from Petroleum Refinery) Omar Abdullazez, Assistant General Manager ANRPC Chairman Technical Office, Alexandria National Refining & Petrochemicals Co. (ANRPC)


11:30-11:50	Carbon Certifications Hopes and Reality, Green, Turquoise, Blue Hydrogen/Ammonia a Comparative Study Mona Elmessery, Researcher, Formation et Sensibilisation de, Luxembourg
11:50-12:10	A novel approach for optimal hybrid energy decarbonisation using multi-criteria decision analysis: Abu Rudeis, Egypt as a case study Mostafa Ismail, Academic Researcher, Cairo University
12:10-12:30	Road To Net Zero Emissions: Estimating Current Emissions (baseline) And Modeling Future Emissions To Calculate The Impact Of Future Operational Plans And Validate Strategy To Achieve Net Zero Mahmoud Samir, Director, Eastern Hemisphere Operations, Tachyus Corporation
12:30-12:50	Investigating Renewable Energy Application in Petrochemical Plants Dina Moghazi, Graduate, Faculty of Engineering Alexandria University

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TUESDAY 20 FEBRUARY 2024



CATEGORY: DOWNSTREAM: REFINING TECHNOLOGY, OPERATIONS AND MARKETING (REF)
SESSION: 21
TITLE: REFINERY ECONOMICS: DECREASING COSTS AND INCREASING PROFITABILITY
LOCATION: ROOM 1



CATEGORY: MIDSTREAM: TRANSPORTATION, STORAGE AND INFRASTRUCTURE (MID)
SESSION: 22
TITLE: PIPELINE OPERATIONS, TECHNOLOGY AND INFRASTRUCTURE
LOCATION: ROOM 2

CO-CHAIRS

Mohamed Fathy, Manager, EGPC
Walid Gebril, General Manager, EGPC

CO-CHAIRS

Khaled Gad, ELNG & Offshore Assets Manager, Shell Egypt N.V.
Khaled ElGammal, General Manager for LNG/Gas Export and Import Activities and Facilities Follow-up, Egyptian Natural Gas Holding Company (EGAS)

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 **Sonatrach Refinery Integrated Scheduling and Blending for Improving Gross Refinery Margins Up to 8 Cents/BBL**
Hrshikesh Pandya, Senior Solution Consultant, AspenTech

14:20-14:40 **SMART & Multifunctional Tubacoat Technology for CAPEX and OPEX Reduction in Refining and Petrochemical Applications**
Sanjay Lodha, Global Business Director, Tubacex

14:40-15:00 **Divestment in Fossil Fuel in Nigeria: The Need for a U-turn**
Grema Sulaiman Ahmad, Director General, Centre For Energy Investment And Innovation

15:00-15:20 **Proper selection of flowmeters in refinery plants and its affection on long term profits**
Mohammed Helmy, Electrical and Instrumentation Assistant General Manager, GASCO

14:00-14:20 **From "Virtual Pipelines" to "Flexible Pipelines" for the Energy Sustainable Development**
Bruno Corbucci, Chief Operating Officer, Piccini Paolo Spa

14:20-14:40 **Predicting Natural Gas Pipeline Failures Caused by Natural Forces: An Artificial Intelligence Classification Approach**
Mahmoud Abd ElWahab, I&C Department Manager, Petrobel

14:40-15:00 **Study on performance mechanism of pour point depressant for paraffinic crude oil by X-ray diffraction**
Hassan Elnagar Hassan Ibrahim, Assistant General Manager of Operation, Alexandria National Refining & Petrochemicals Co. (ANRPC)


15:00-15:20 **Probabilistic risk analysis defining maintenance and proof testing program for Oil and Gas facilities**
Ahmed Fathi Abdalla, Assistant Manager, Egyptian Liquefied Natural Gas (ELNG)

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CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR AND RENEWABLE ENERGY (ALT)
SESSION: 23
TITLE: INTEGRATING ALTERNATIVES IN THE ENERGY MIX
LOCATION: ROOM 3



CATEGORY: UPSTREAM: EXPLORATION OF CONVENTIONAL RESOURCES (CONV)
SESSION: 24
TITLE: CONVENTIONAL PROSPECT EVALUATION
LOCATION: ROOM 4

CO-CHAIRS

Manolis Markakis, Senior Director, Supply, Exports & Operations, HELLENIC Petroleum RSSOPP
Stathis Zacharakis, Business Development Director, ASPROFOS Engineering

CO-CHAIRS

Ahmed Zaky, Senior Geophysicist, Energean Egypt Limited
Mahmoud Gabr, Subsurface Manager, bp

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 **Case Study: Blending of Hydrogen and Natural Gas in Existing Infrastructure**
Mohamed Al Naggar, Assistant General Manager, Car Gas

14:20-14:40 **European Union Funding Programmes supporting Hydrogen Technology Research and Innovation**
Alan Haigh, Policy Adviser, European Commission (Retired)

14:40-15:00 **Exploring the "Petroleum, Hydrogen and CCUS" Relationship**
Kawu Idris-Idah, Process Plant Engineer, Waltersmith Refining & Petrochemicals Company Limited

15:00-15:20 **Hydrogen, the first milestone of the green fuel era: physical and technology constraints to be sustainable**
Francesco Cammarata, Vice President, Technip Energies

14:00-14:20 **De-risking the Prospectivity of the Northern Red Sea from the 2023 Seep Hunter Study**
Joniell Borges, Senior Exploration Earth Scientist, Chevron

14:20-14:40 **Exploring and reimagining the pre-Messinian depositional systems and structures in the onshore Nile Delta basin, Egypt**
Gebril Saleh, Senior Exploration Geologist, SLB

14:40-15:00 **Basin structure and tectonics in Egypt's West Mediterranean Sea**
Mark Hamilton, Principal Geoscientist, PGS


15:00-15:20 **Variations in Cenozoic vertical motion trends and their impact on biogenic hydrocarbon generation and expulsion. Insights from integrated studies, Levantine Basin, offshore Israel**
Leonidas Gouliotis, Structural Geologist, Energean

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CATEGORY: ENVIRONMENTAL SUSTAINABILITY, CLIMATE CHANGE AND ENERGY TRANSITION (ENV)

SESSION: 25

TITLE: FLARING REDUCTION, RECOVERY AND REINJECTION

LOCATION: ROOM 5



CATEGORY: DIGITALISATION OF OIL AND GAS (DIGI)

SESSION: 26

TITLE: DIGITAL TRANSFORMATION BEST PRACTICES

LOCATION: ROOM 1

CO-CHAIRS

Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi

Hafez El Shamy, Production General Manager, EGPC

CO-CHAIRS

Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi

Mostafa Kortam, Reservoir Engineering Supervisor, Petrobel

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 **Monetising flare gas and reducing environmental impact**
Hesham Tawfik Elshamy, Head of Oil & Gas Sector - AMEA, Aggreko

14:20-14:40 **Flare monitoring and optimisation technology-Flare IQ**
Ramy Diaa, Region Manager, Baker Hughes

14:40-15:00 **GHGs Emission Reductions and Economic Saving by Enhancing Switching to Natural Gas Vehicles in Egypt**
Sayed Ismail Shaarawi Farahat Assistant General Manager for Climate Change, Egyptian Natural Gas Holding Company (EGAS)

15:00-15:20 **Energy Production from the Recovered Gases and reduction of greenhouse emissions. Case Study: Alexandria National Refining and Petrochemicals Company (ANRPC)**
Khaled Elsaid Hagar, Department Director, Alexandria National Refining & Petrochemicals Co. (ANRPC)

15:30-15:50 **How new robotics solutions unlock value generation and CO2 reduction**
Giovanni Massari, Sonsub Head of Integrated Applications, Saipem SpA

15:50-16:10 **Cloud-based Data Integration Between Geology & Drilling Software Using Python Tools**
Mohamed Ali Hassan, Senior Advisor, Oliasoft AS

16:10-16:30 **Use of Data Science and Automation of Workflows for Log Stamping & Log Certification to Improve Well Log Data Quality**
Mohammad Arief Joenaedy, Senior Geologist, Kuwait Oil Company

16:30-16:50 **Contribution of 'AI-Based Optimisation Model' for Reliability Examination of Safety Instrumented Systems Used in Oil and Gas Industry to Reduce Risk, Cost and Human Efforts**
Ahmed Aburawwash, Field Maintenance Manager, Offshore Shukheir Oil Company (OSOCO)

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TUESDAY 20 FEBRUARY 2024




CATEGORY: HEALTH AND SAFETY (HS)

SESSION: 27

TITLE: PROCESS SAFETY INNOVATION

LOCATION: ROOM 2



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

SESSION: 28

TITLE: BIOFUEL FEEDSTOCK INNOVATION

LOCATION: ROOM 3

CO-CHAIRS

Wael Amin, Head of HSE, United Energy Egypt

Benson Egbeverie, QHSE Director, Egyptian Liquefied Natural Gas

CO-CHAIRS

Manolis Markakis, Senior Director, Supply, Exports & Operations, HELLENIC Petroleum RSSOPP

Stathis Zacharakis, Business Development Director, ASPROFOS Engineering

PRESENTATION TITLES AND SPEAKERS

15:30-15:50 **Methanex Egypt - E-Permit Implementation**
Tarek Anwar, Operations Manager, Methanex Egypt

15:50-16:10 **Safer Event Management with Cloud-Hosted Gas Plume Dispersion Software**
Samy Karam Gerguis, Regional Sales Manager, Blackline Safety Corp

16:10-16:30 **Nanomaterials based sensors in detection of airborne pathogens as an innovative technology**
Wesam Tawfik, Pharmacist & Microbiology Specialist, Vacsera

16:30-16:50 **Safety analysis of influencing factors on pipeline corrosion defects & repair strategy based on FEM**
Omar ElSebeiy, Senior Operation Engineer, Egyptian Natural Gas Company (GASCO)

15:30-15:50 **CO2 from Europe to produce e-methane or e-methanol in the region that is send back to Europe**
Ulrich Voegtle, Vice President Business Development and Market Intelligence, MAN Energy Solutions

15:50-16:10 **Modular, Carbon-Negative, Renewable Hydrogen Production from Ethanol**
Inder Pal Singh, Chief Executive Officer, Golu Hydrogen Technologies Inc.

16:10-16:30 **India's First Tank-less Bio-Reactors on the Horizon-2G Bioethanol Production by ASN Tube Manifold Reactor (TMR)**
D M Naveen Giri, Founder & Advisor-Scientis, ASN Fuels Pvt Ltd


16:30-16:50 **Modern Techniques Used in Biodiesel Production from Waste Cooking Oils to Reduce Energy Consumption**
Mohamed A. Hanafy, Environmental Studies Section Head, ETHYDCO

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CATEGORY: UPSTREAM: EXPLORATION OF CONVENTIONAL RESOURCES (CONV)

SESSION: 29

TITLE: CONVENTIONAL RESERVOIR CHARACTERISATION

LOCATION: ROOM 4



CATEGORY: ENVIRONMENTAL SUSTAINABILITY, CLIMATE CHANGE AND ENERGY TRANSITION (ENV)

SESSION: 30

TITLE: METHANE EMISSION REDUCTION STRATEGIES

LOCATION: ROOM 5

CO-CHAIRS

Ahmed Sultan, Petrophysics Department Manager, Tharwa Petroleum Company

Moataz Nady, Exploration Technical Advisor, ENI

CO-CHAIRS

Mohamed Talaat Kamel, Energy Efficiency Assistant General Manager, EGPC

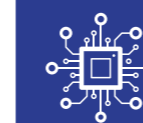
Antonios Mountouris, Head of HSE & Sustainable Development, HELLENIQ Energy

PRESENTATION TITLES AND SPEAKERS

15:30-15:50	Optimising Drilling Strategy and Maximising Economic Value of Deep-Water Mediterranean Gas Discovery through Artificial Intelligence and Probabilistic Seismic Reservoir Characterisation Ahmed Hafez, Subsurface Team Leader, Delegated Professor NPC - Jordan, Ain Shams University - Egypt
15:50-16:10	Full Field Development Plan for Life Extension of Mature and Marginal Oilfields. A Case Study of Yidma/ Alamein Concession Karim Ramadan, Senior Reservoir Engineer, El-Hamra Oil Company (EHO)
16:10-16:30	A Successful Seismic Reservoir Characterisation OBN Case Study- Western Offshore, India Walid Abd El-Mawla, Senior-III Geoscientist, SLB
16:30-16:50	Integration between Pliocene Paleobathymetry and structural restoration in offshore Nile Delta: Case study Tamer El-Shennawy, Prospects Evaluation and Regional Studies General Manager, Rashid Petroleum Company (Rashpetco)

15:30-15:50	Leveraging Remote Sensing Satellite and Aircraft Technology as Part of a Methane Reduction Strategy Lola Odunsi, International Sales Director, GHGSat Inc.
15:50-16:10	Reducing Methane Emission in the CNG Field Ehab Abdelghany, Technical Studies Section Head, GASTEC
16:10-16:30	Towards Effective Mitigation of Methane Emission: Examining the Regulatory Framework in Nigeria's Upstream Petroleum Sector Ibrahim Illo - Muhammad, Manager, Remediation, CCUS & ESG, Nigerian Upstream Petroleum Regulatory Commission
16:30-16:50	Advanced technologies for methane abatement in the oil and gas sectors Ahmed Barakat, Senior Operations Engineer, Cairo Oil Refining Company (CORC)

WEDNESDAY 21 FEBRUARY 2024




CATEGORY: DIGITALISATION OF OIL AND GAS (DIGI)

SESSION: 31

TITLE: BIG DATA AND ADVANCED ANALYTICS

LOCATION: ROOM 1



CATEGORY: HEALTH AND SAFETY (HS)

SESSION: 32

TITLE: PROCESS AND OCCUPATIONAL SAFETY

LOCATION: ROOM 2

CO-CHAIRS

Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi

Soumia Alem, Technical Sales Engineer, SLB

CO-CHAIRS

Abdel Hamid Nour, Environmental Lead, Gulf of Suez Petroleum Company (GUPCO)

Lilian Mahfouz, GeoUnit HSE Manager, SLB

PRESENTATION TITLES AND SPEAKERS

10:00-10:20	Transforming Drilling Operations Through AI Technology Solutions: Research and Development Perspective Soha El-rayes, Digital Solutions SME, Weatherford
10:20-10:40	Machine-Learning Assisted Well Log Data Preparation for petrophysical interpretations Valerian Guillot, Data Science Architect, SLB
10:40-11:00	Model Predictive Control in Refinery Process: A Time Series Forecasting Approach with Deep Learning and Random Forest Mahmoud Gouda, Department Head, Khalda Petroleum Company
11:00-11:20	Enhancing Maintenance Efficiency and Predictive Capabilities in Remote Oil and Gas Companies through Cloud-Based Automation and Data Lake Integration Mohamed Ammar, Maintenance Assistant, Abu Qir Petroleum

10:00-10:20	Health Risk Assessment for ELNG: What You Don't Know Can Cost You Mohamed Shehab, Senior Specialist, Occupational Health & Industrial Hygiene, ELNG
10:20-10:40	Process Safety Theory to Practicality - Case Study Moataz Nour, General Manager Process Safety, Shell
10:40-11:00	Protecting the people while achieving economic growth a prospective towards using the QRA for land use planning around the MAH facilities Mohammed Sabry Mahmoud, Risk Management & Loss Prevention Studies Executive General Manager, GASCO-Egypt
11:00-11:20	Assessing Natech Risks in Petroleum Storage Tanks: A Qualitative Approach using the Nat-Bowtie Method Sachin Damle, EHS Manager, Bharat Petroleum Corporation Limited (BPCL)

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WEDNESDAY 21 FEBRUARY 2024



CATEGORY: OPERATIONAL EXCELLENCE (OPEX)
SESSION: 33
TITLE: EFFICIENCY AND COST OPTIMISATION DRIVEN BY INTELLIGENT AUTOMATION
LOCATION: ROOM 3



CATEGORY: OIL AND GAS FIELD DEVELOPMENT (FD)
SESSION: 34
TITLE: PRODUCTION OPTIMISATION: CASE STUDIES
LOCATION: ROOM 4

CO-CHAIRS

Mohamed Abd ElHady, Production and Fields General Manager, Khalda Petroleum Company

Aristotelis Pagoulatos, Geoscientists Department Manager, HELPE Upstream

CO-CHAIRS


Hossam Saad, PSL Area/Country Manager, Artificial Lift, Halliburton

Kareem Basha, Petroleum Engineering Team Leader, bp


PRESENTATION TITLES AND SPEAKERS

10:00-10:20	Soft Sensors Enabling Intelligent Automation in Existing Facilities for Operational Excellence Tarique Mohammad Yusuf, Process Engineer - I, Kuwait Oil Company	10:00-10:20	Lessons Learnt from Detailed Comparison Between Rigless Sliding Casing Sleeve Fracturing and Conventional Multi-stage Plug Fracturing in Sichuan, China Fu Jin, Educator, CNPC Engineering Technology R&D Company Ltd.
10:20-10:40	In-Service Storage Tank Cleaning & Inspection using Robotic Technology Gary Penney, CEO, Flow Technology International	10:20-10:40	Successful Implementation of Rotary Gas Separator for Harsh Environments, High Contents of Sour Gases, High Temperatures and Viscous Conditions Nestor Devia, Service Delivery, Coordinator, Baker Hughes
10:40-11:00	Artificial Intelligence Based Enthalpy Control for Enhancing Efficiency and Sustainable Development of Thermal Power Plant Rajendra Kumar, Additional General Manager, NTPC Limited	10:40-11:00	Multidisciplinary collaboration workflow for production optimisation in mature oil fields - real application results Angelo Ortega, Reservoir Engineer, Belayim Petroleum Company (Petrobel)
11:00-11:20	Digital Solutions: Driving Performance and cost optimisation in the upstream industry Anuvrat Jhamad, E&P Analyst, Rystad Energy	11:00-11:20	Gas Lift Performance Enhancement Strategies by Downsizing and using Dummy and Venturi Valves: A Paradigm Shift in Gas Lift Systems Management Philosophy Ahmed Elbohoty, District Engineering Department Head, Gulf of Suez Petroleum Company (GUPCO)

WEDNESDAY 21 FEBRUARY 2024



CATEGORY: ENVIRONMENTAL SUSTAINABILITY, CLIMATE CHANGE AND ENERGY TRANSITION (ENV)
SESSION: 35
TITLE: REDUCING GHG EMISSIONS - OPPORTUNITIES
LOCATION: ROOM 5



CATEGORY: DIGITALISATION OF OIL AND GAS (DIGI)
SESSION: 36
TITLE: AI AND ML
LOCATION: ROOM 1

CO-CHAIRS

Ahmed Ibrahim, Sustainability Coordinator, Eni leoc

Wael Amin, Head of HSE, United Energy Egypt

CHAIR

Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi

Tharwat Hassane, Head of Petroleum and Capitalised Engineering, University of Petroleum and Gas Engineering

PRESENTATION TITLES AND SPEAKERS

10:00-10:20	PMM ESP Application for Harsh Environments, High Free Gas, High Temperatures and High Viscosity Translated into Carbon Footprint Reduction Pilar Aguinaga, Account Manager, Baker Hughes	11:30-11:50	Machine Learning to predict large pores and permeability in carbonates using standard logs Ibrahim Milad, Senior Petrophysicist, bp
10:20-10:40	PHPC Practice for Energy Saving, and reduce carbon emissions Hamed AbdelMoneim, Operations Support Assistant General Manager, Pharonic Petroleum Company	11:50-12:10	Development of Two Robust Data-Driven Models Using Machine Learning and Artificial Neural Network Methods to Predict Wells Fluid Rate in a Challenging Offshore Brown Field Mohamed Eldessouky, District Engineering Section Head, Gulf of Suez Petroleum Company (GUPCO)
10:40-11:00	Using Exergy analysis to reduce carbon footprint in Oil Refinery Processes Ahmed Kishta, Senior Process and Process Safety Engineer, Egyptian Projects Operation and Maintenance (EPROM)	12:10-12:30	Drilling Operation Optimisation Using Machine Learning Framework Mohammad Eltrissi, Drilling Regional Advisor, Oliasoft AS
		12:30-12:50	Converting ESP Real-Time Data to Flow Rate using Machine Learning Model Ahmed Hamdy, Engineering Manager, NORPETCO

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WEDNESDAY 21 FEBRUARY 2024



CATEGORY: COMPLETIONS (COMPL)
SESSION: 37
TITLE: WELL INTELLIGENCE AND PRODUCTION ENHANCEMENT
LOCATION: ROOM 2

CO-CHAIRS

Mohamed Abd ElHady, Production and Fields General Manager, Khalda Petroleum Company
Hafez El Shamy, Production General Manager, EGPC



CATEGORY: OPERATIONAL EXCELLENCE (OPEX)
SESSION: 38
TITLE: IMPROVING ENERGY EFFICIENCY, ASSET INTEGRITY AND PRODUCT QUALITY
LOCATION: ROOM 3

CHAIR

Mahmoud Hegazy, Head Of Operations, United Energy Egypt
Ahmed Lotfy, Deputy Exploration General Manager & Board Member, United Energy Egypt

PRESENTATION TITLES AND SPEAKERS

11:30-11:50	A Novel Multi-Disciplinary Approach in Selection and Optimisation of Sand Control Techniques: Case Study From Egypt Amir Ghadimipour, Geomechanics Engineer, Baker Hughes	11:30-11:50	Business Process Workflow Enhancement to Achieve Production Allocation Excellence Sriyanta Hadi, Principal Production Planning, Petroliaam Nasional Berhad (PETRONAS)
11:50-12:10	Field application of utilising a new generation ICV in WDDM Smart wells Islam Selim, CWI and Production Technology Department Head, Rashpetco/Shell, Egypt	11:50-12:10	Implementing six sigma methodologies in niche petrochemicals sales operation: An approach for effective and efficient operation evaluation and measurement Samarjit Chowdhury, Business Development Manager, Bharat Petroleum Corporation Limited (BPCL)
12:10-12:30	Innovative Retrofit Straddle Deep Gas-Lift Technology for Activating and Enhancing Oil Production Himanshu Tyagi, Senior Petroleum Engineer, Weatherford	12:10-12:30	Digital Transformation for Operational Excellence in Oil & Gas Integrated Plants ; Case Study: WDGC Gas Plant, The Egyptian Natural Gas Company GASCO Tamer Hamdy Riad, Lead Process Engineer for GASCO Gas Plants Operation Follow-up Supervisor, Egyptian Natural Gas Company (GASCO)
12:30-12:50	Modeling Hydraulic Fracturing of Deep Shale Gas Reservoirs at HPHT Conditions Mario Emad Saad Abdelmalek, Senior Petroleum Engineer & PhD in Petroleum Engineering, Petrobel	12:30-12:50	Surface Boosting Plants to Achieve Instant Wells Production Increase Handling Any Combination of Multiphase Flow Lorenzo Verna, Operation Engineer Well Production Services, Bonatti SpA

WEDNESDAY 21 FEBRUARY 2024



CATEGORY: OIL AND GAS FIELD DEVELOPMENT (FD)
SESSION: 39
TITLE: INTEGRATED FIELD DEVELOPMENT
LOCATION: ROOM 4

CO-CHAIRS

Hossameldeen Eldandarawy, Middle East, Turkey and India Systems Engineering Manager, Baker Hughes
Mohamed Talaat Kamel, Energy Efficiency Assistant General Manager, EGPC



CATEGORY: ENVIRONMENTAL SUSTAINABILITY, CLIMATE CHANGE AND ENERGY TRANSITION (ENV)
SESSION: 40
TITLE: HYDROGEN PRODUCTION AND UTILISATION
LOCATION: ROOM 5

CO-CHAIRS

Mohammed Al-Habib, Regional Executive Director for Energy Transition, Baker Hughes
Mostafa El Shazly, Production Engineer, EGPC

PRESENTATION TITLES AND SPEAKERS


11:30-11:50	Unleashing the Power of Rate Transient Analysis: Revolutionizing Exploitation of Mature and Tight Fields Amr Gharieb, Senior Reservoir Engineer, Khalda Petroleum Company (Apache Egypt JV)	11:30-11:50	The Role of Oxygen-Enriched Air in Sustainable Hydrogen Production and Combustion Performance in Fired Heaters Mohamed El Yamani, Egyptian Projects Operation and Maintenance (EPROM)
11:50-12:10	Fajr Field - Record Time to 1st Production in Western Desert in Egypt Keith Dowling, Vice President of Engineering & General Manager of PetroFarah	11:50-12:10	Reducing Carbon Emissions in Egypt Using The Techniques of Blending Hydrogen with Natural Gas Waleed Elaraby, Operations Assistant General Manager, Egyptian Natural Gas Company (GASCO)
12:10-12:30	Maximising Resource Potential: Exploring Joint Development Fields for Collaborative Oil and Gas Reserves Aditya Saraswat, Director, Middle East Research, Rystad Energy AS	12:10-12:30	Green hydrogen from waste energy Karim Elrouby, Technical Sales Engineer, Ain Shams University
12:30-12:50	Integrated Reservoir Management is Key to Increasing Production and Maximizing Reserves Ibrahim Ragab, Deputy Petroleum Engineering Manager, IPR Energy Group	12:30-12:50	Green hydrogen supply chain optimisation in 2023/2024 Karim Badr, Marketing Director MENA, RHI Magnesita

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WEDNESDAY 21 FEBRUARY 2024



CATEGORY: DIGITALISATION OF OIL AND GAS (DIGI)
SESSION: 41
TITLE: DIGITAL TWINS
LOCATION: ROOM 1



CATEGORY: COMPLETIONS (COMPL)
SESSION: 42
TITLE: WELL INTEGRITY MANAGEMENT AND TECHNOLOGY
LOCATION: ROOM 2

CHAIR

Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi

Tharwat Hassane, Head of Petroleum and Capitalised Engineering, The Egyptian Chinese University (ECU)

CO-CHAIRS


Mohamed Atwa, Engineering General Manager, United Energy Egypt

Mostafa Ashraf, Sales Account Manager - Completion Services, Baker Hughes


PRESENTATION TITLES AND SPEAKERS

14:00-14:20	Digital Twin AI Based Model Of Multiphase Flow Loop Test To Develop New Generation Of Production Technologies Muhammad Akram Karimi, Chief Technology Officer, Saher Flow Solutions	14:00-14:20	Unique Dynamic Completion and Stimulation Approach Unlocks Depleted Reservoir Potential: Case Study of South-Fawares Field, Kuwait Kutbuddin Bhatia, Senior Engineer, Halliburton
14:20-14:40	Advanced Analytics for Delayed Coker Unit Jitendra Chellani, Senior Staff Consultant, KBC (A Yokogawa Company)	14:20-14:40	Enhancing Planning Efficiency and Cost-Effectiveness through Coiled Tubing Fishing: Case Studies in Two Wells. Ahmed Ayman, Petroleum Engineer, Khalda Petroleum Company
14:40-15:00	Metaverse for who can't wait for a downtime and in a need for a live data accuracy Saed Habash, VP Channel Manager, TeamViewer	14:40-15:00	Isolating the leaked tubing by through-tubing Straddle System recovered the well potential and Extended ESP runlife in Ras Budran Field, Egypt Maria Leticia Vazquez, Production Enhancement Business Development Manager, SLB
15:00-15:20	Integrated technology for large-scale production and facilities modelling and optimisation Pascal Le Gal, Business Development Director Middle East & Africa, Siemens	15:00-15:20	First Time Restoring Satellite-Limited Well Life Using Rigless Coiled Tubing Mounted by Floating Boat in the Gulf of Suez: A case study Abdalla Sallam, Petroleum Engineer, Gulf of Suez Petroleum Company (GUPCO)

WEDNESDAY 21 FEBRUARY 2024



CATEGORY: OPERATIONAL EXCELLENCE (OPEX)
SESSION: 43
TITLE: ASSET INNOVATION, COST AND TECHNICAL OPTIMISATION
LOCATION: ROOM 3



CATEGORY: OIL AND GAS FIELD DEVELOPMENT (FD)
SESSION: 44
TITLE: EOR INNOVATION AND TECHNOLOGY
LOCATION: ROOM 4

CHAIR

Aristotelis Pagoulatos, Geoscientists Department Manager, HELPE Upstream

Sally Anwar, General Manager Companies Development - Operation, ECHEM

CO-CHAIRS

Ahmed Rabie, Senior Specialist Reservoir Engineering, United Energy Egypt

Darius Shahsavari, Senior Vice President, IPR Energy Group

PRESENTATION TITLES AND SPEAKERS

14:00-14:20	A case study for dual completion over three different reservoirs with naturally producing one string and pumping the other string through beam pump which led to hitting the Maximum NPV and Minimum NPT. A scalable solution for low profile companies with hardly having workover rig in hand Mohamed Abdelgelel, Production Technology Section Head, BURAPETCO	14:00-14:20	Propellant Stimulation: A Proven and Cost Effective Way to Improve Productivity of Oil and Gas Wells Diederik Zwager, CEO, DXB Energy Services
14:20-14:40	Effectiveness of Power Transformer Maintenance Strategies and Impact on Asset Lifetime Extension and Cost Optimisation Mohamed Nagdy, Portfolio and Market Application Manager, SIEMENS ENERGY	14:20-14:40	Enhanced oil recovery in a selected UAE's tight carbonate reservoirs by flooding of sodium lauryl sulfate and high saline water Essa Lwisa, Business Development Manager, Scientific Progress
14:40-15:00	The rising need for pipeline security: EPRS technologies and services Francesco Cavallini, Head of Commercial - Sonsub and Subsea Technologies & Services, Saipem SpA	14:40-15:00	Selective Waterflood System Paving the Way for Effective Waterflood and Reservoir Management Omair Rind Baloch, Operations Manager, Completions- Qatar and Pakistan, Weatherford
15:00-15:20	Methanex Egypt - Alarm rationalisation impact on plant reliability and safety Assem Abdou, EIC Superintendent, Methanex Egypt	15:00-15:20	Optimisation of Biosurfactant Production from Bacteria Strain Isolated from an Egyptian Oil Field Hamed Aboelkhair, Assistant Professor, The British University in Egypt

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CATEGORY: ENVIRONMENTAL SUSTAINABILITY, CLIMATE CHANGE AND ENERGY TRANSITION (ENV)

SESSION: 45

TITLE: ENVIRONMENTAL RESPONSE AND SUSTAINABLE INNOVATION

LOCATION: ROOM 5

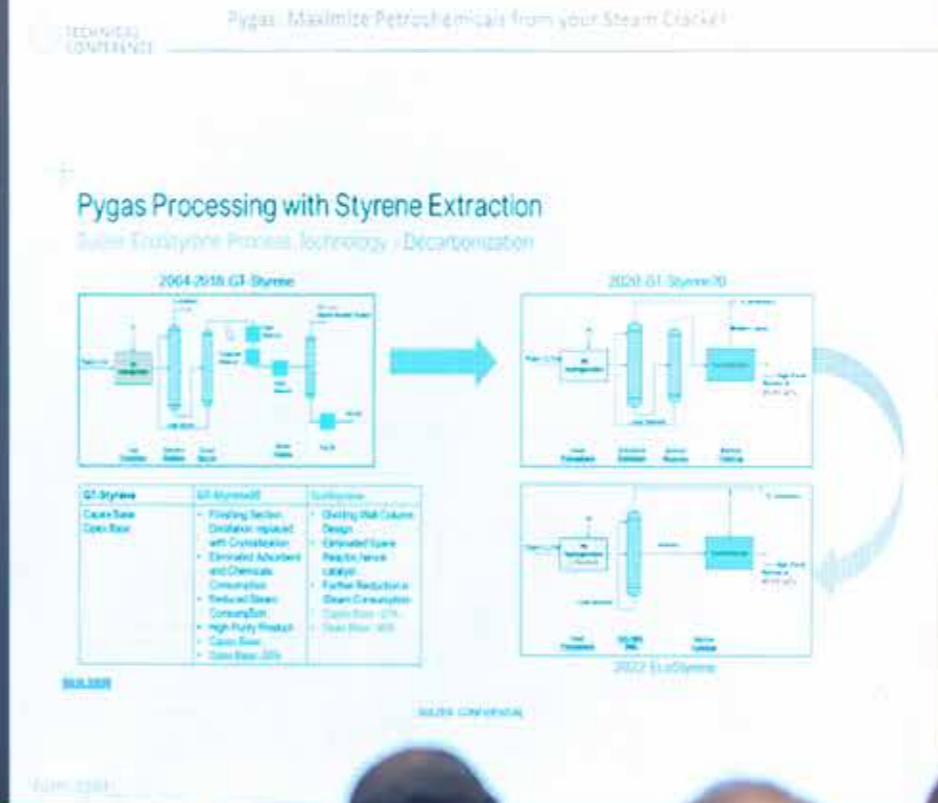
CO-CHAIRS

Antonios Mountouris, Head of HSE & Sustainable Development, HELLENiQ Energy

Walid Gebril, General Manager, EGPC

PRESENTATION TITLES AND SPEAKERS

- 14:00-14:20 Potential Egyptian bacterial consortium for oil spill treatment: A laboratory simulation
Aya Elkemary, Energy, Egyptian Projects Operation and Maintenance (EPROM)
- 14:20-14:40 Plastics Environmental impact throughout their life cycle - How to decrease GHG throughout plastics supply chain.
Ihab Yahia, Products Survey and Pricing Sector Head, Sidi Kerir Petrochemicals Company (SIDPEC)
- 14:40-15:00 Designing a Green Ammonia Plant for Sustainable Bunkering in the Suez Canal
Mahmoud Ragab, Mechanical Engineer, Faculty of Engineering Alexandria University
- 15:00-15:20 Produce to the maximum potential and reducing operating costs | The power of newest technologies
Willian Guerrero, Production Engineer, SLB



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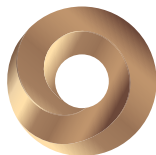
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