

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



**TECHNICAL**  
CONFERENCE

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29 - 31 MARCH 2027 | EGYPT INTERNATIONAL EXHIBITION CENTER, CAIRO



# EGYPT ENERGY SHOW 2027 TECHNICAL CALL FOR PAPERS

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## REVOLUTIONISING ENERGY PRODUCTION THROUGH TECHNICAL INNOVATION, OPTIMISATION AND NEXT-GENERATION SOLUTIONS

Ambition translates into action at the Egypt Energy Show 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.

### WHY SUBMIT TECHNICAL ABSTRACTS?

Covering digital transformation, unconventional resources, offshore technology, drilling infrastructure, downstream value-add and environmental governance, the Technical Conference delivers peer-reviewed insights, real-world case studies, and practical knowledge that drives operational excellence, smart processing and sustainable exploration and development. From AI-integrated infrastructure management and advanced asset corrosion management technologies to renewable integration and intelligent safety systems, the Conference addresses the region's most pressing challenges and showcases solutions designed to deliver measurable impact.

# 2500+

Conference Delegates

# 90+

Technical Committee Members

# 54

Technical Sessions

# 22

Technical Categories

SHOWCASE APPLIED EXPERTISE AND TECHNICAL INNOVATION  
SUBMIT YOUR ABSTRACTS BY THURSDAY 9 JULY 2026

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# TECHNICAL CONFERENCE CATEGORIES



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	Downstream: Refining Technology, Operations & Marketing (REF)	CATEGORY 1		Energy Economics, Governance, Agreements & Finance (EGAF)	CATEGORY 12
	Downstream: Petrochemicals Technology & Operations (PET)	CATEGORY 2		AI & Digital Era (AIDE)	NEW FOR 2027 CATEGORY 13
	Upstream: Exploration of Conventional Resources (CONV)	CATEGORY 3		Health & Safety (HS)	CATEGORY 14
	Upstream: Exploration of Unconventional Resources (UNCONV)	CATEGORY 4		Project Management & Execution (PM)	CATEGORY 15
	Gas/LNG Processing, Operations & Technology (GAS)	CATEGORY 5		Operational Excellence (OEX)	CATEGORY 16
	Midstream: Infrastructure, Transportation & Storage (MID)	CATEGORY 6		People & Talent Development (PPL)	CATEGORY 17
	Offshore & Subsea Production, Operations & Technology (OS)	CATEGORY 7		Geoscience (GEO)	CATEGORY 18
	Decarbonisation, Energy Transition & Energy Efficiency (DTE)	CATEGORY 8		Oil & Gas Field Development (FD)	CATEGORY 19
	Hydrogen, Biofuels, Alternative Fuels, Nuclear (ALT)	CATEGORY 9		Drilling (DR)	NEW FOR 2027 CATEGORY 20
	Renewable Energy (RE)	CATEGORY 10		Completions & Well Engineering (COMPL)	NEW FOR 2027 CATEGORY 21
	Environmental Sustainability & Climate Change (ESC)	CATEGORY 11		Asset Integrity & Corrosion Management (AICM)	NEW FOR 2027 CATEGORY 22

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

- Refining and petrochemical integration, supply chain management and feedstock maximisation
- Improving refinery economics: decreasing costs and increasing profitability
- Development and advancement of refining technology and processing
- Decarbonising the gas processing value chain with renewables
- Innovation and R&D in refineries
- Marketing and distribution of refined products: efficiency, safety and security
- Marketing and distribution: refinery to retail
- Bottom of the barrel upgrading
- Residue fluid catalytic cracker (RFCC) and crude oil-to-chemicals (COTC) technology
- Refinery waste management: spent catalyst and decoking treatments

**Downstream: Petrochemicals Technology & Operations (PET)** CATEGORY 2

- Decarbonising the petrochemicals feedstock value chain with renewables
- Successful petrochemicals business models
- Olefins and aromatics: operations and technology developments
- Petrochemical and refining integration, supply chain management and feedstock allocation, diversification and maximisation
- Technology for effective conversion from crude to chemicals
- Strategy, long term planning and exit strategies for petrochemical operations
- Integration of bio-feedstock in petrochemical plants
- Advances in bio-based petrochemicals
- Overcoming environmental challenges, plastic and petrochemicals recycling
- Biodegradable polymers: technologies, market trends, applications, environmental impact, case studies

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

- Enhanced oil recovery (EOR) methods and technologies
- Prospect evaluation and basin modelling
- Formation evaluation
- Reservoir characterisation
- Rock physics, properties and seismic inversion

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

- Unconventional resource assessment and evaluation, strategies for development
- Tapping into unconventional gas: coal seam gas, shale gas, tight gas, methane hydrates
- Heavy oil, oil sands and shale oil
- Thin beds and tight reservoirs
- Nanotechnology applications
- Enhanced gas recovery (EGR) methods and technologies

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

- Gas (and associated liquids) processing
- Gas liquefaction, regasification, FLNG
- LNG, LPG, CNG and chemical gas production challenges
- Eliminating routine gas flaring
- Sour gas field developments, sulphur disposal
- Advances in gas sweetening and dehydration
- Innovation in design, production and operation of gas fields
- Enhanced gas recovery
- R&D related to production and processing of gas/LNG

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## Midstream: Infrastructure, Transportation & Storage (MID) CATEGORY 6

- Vertical energy corridors, increased gas flows, flexible trade, offtake buyers
- Transportation and marketing of oil and natural gas
- Smart shipping and autonomous vessels
- Integrated shipping and logistics technology and advances
- Smart pipelines, best practices in pipeline management and preventative maintenance
- Oil and gas transportation, flow assurance, pipeline technology, subsea tiebacks
- Legacy infrastructure upgrades, repurposing and best practices for hydrogen, ammonia, methanol transportation
- Oil, gas and hydrogen storage, tanks and tankers
- Innovative technologies for gas metering and monitoring
- Railway and truck transportation advances for oil and bulk chemicals and heavy-duty equipment
- Decommissioning historical and outdated infrastructure
- Infrastructure innovations LNG, FLNG, & CNG
- Hydrogen transportation
- Water waste management
- Smart infrastructure

## Decarbonisation, Energy Transition & Energy Efficiency (DTE) CATEGORY 8

- Decarbonisation and energy transition, net zero, clean energy profitable business models and cost reductions
- Decarbonisation policies, regulations and carbon border adjustment mechanism (CBAM)
- Transition R&D innovation and tech deployment
- Low carbon technology and innovation to reach the 1.5°C pathway
- Improving energy efficiency and eliminating energy waste
- Methane monitoring technology and reduction
- Advances in synthetic methane
- Reducing carbon footprint and greenhouse (GHG) emissions
- Carbon Capture and Storage (CCS) and Carbon Capture, Utilisation and Storage (CCUS) initiatives, advancements, technologies and case studies
- Flare recovery and reinjection approaches, applications and case studies
- Electrification technologies and best practices
- The role of critical minerals in the energy transformation
- Compressed natural gas (CNG) vehicle conversion programmes
- Startups in decarbonisation and sustainability

## Renewable Energy (RE) CATEGORY 10

- Power-to-X
- Wave power: motion and overtopping energy converters, operations, facility and grid integration, case studies
- Hydropower projects and technologies
- Wind power: technology, operations, facility and grid integration, case studies
- Solar energy: photovoltaics, technology, operations, facility and grid integration, case studies
- Geothermal energy: power projects, power generation, production, storage and energy production
- Green hydrogen and increased efficiency for electrolyzers
- Increasing renewable energies into the energy supply mix
- Renewable energy storage options and infrastructure
- Renewable energy startups driving progress

## Energy Economics, Governance, Agreements & Finance (EGAF) CATEGORY 12

- Supply and demand trends
- Current economics, market trends, fiscal policies, commercial contracts
- Corporate governance, management and business for energy enterprises
- Concession agreements, oil and gas bid rounds
- African and East Mediterranean energy trading hubs
- Project finance: IPOs, cryptocurrencies, smart financing, mergers & acquisitions, joint ventures, portfolio diversification
- Financing energy transition strategies and decarbonisation technologies
- Financing hydrogen projects
- Gas market deregulation
- Economics on acquiring fields
- Oil and gas technical patents
- Petroleum policy and legislation
- Environmental, social, governance reporting framework
- Calculating business Scope 3 carbon footprint measurement, reporting and carbon offsets
- Climate finance

## Offshore and Subsea Production, Operations & Technology (OS) CATEGORY 7

- Offshore infrastructure: production platforms, artificial islands design, piling, flow lines, umbilical connections
- Floating production, storage and offloading (FPSO), offshore support vessels (OSV), and remotely operated underwater vehicles (ROV)
- Floating liquefied natural gas (FLNG)
- Shallow and deepwater exploration: subsea wells, subsea fields, subsea projects and developments
- Deep-water HPHT well design, drilling fluids stability
- Innovative offshore and marine technology
- Engineering, procurement and construction offshore
- Assessment, evaluation and integrity management of existing offshore structures
- Rig lifecycle: innovative designs, maintenance and decommissioning
- Marine fuels, green shipping, hydrogen as a marine fuel, LNG as a marine fuel
- Bunkering developments and infrastructure

## Hydrogen, Biofuels, Alternative Fuels, Nuclear (ALT) CATEGORY 9

- Hydrogen technology and operations: production, transformation, storage and optimisation, transportation and distribution, commercialisation, renewable hydrogen
- Production and usage of grey hydrogen, blue hydrogen
- Production and usage of blue and green ammonia
- Production and usage of green hydrogen
- Hydrogen fuel, electric vehicle innovation and smart mobility innovation
- Strategies to upscale hydrogen production and usage
- Smart mobility innovation
- Battery, energy storage, charging, infrastructure and grid stability
- Sustainable aviation fuels (SAF) technology, operations and case studies
- Synthetic fuels
- Nuclear power, reactors, infrastructure
- Biofuels: feedstock, technology, production and usage

## Environmental Sustainability & Climate Change (ESC) CATEGORY 11

- Circular economy: Reduce, Reuse, Recycle, Renew
- Recycling technologies: chemical recycling, mechanical recycling, plastic recycling, innovations in recycling technologies, green chemistry and sourcing rare chemicals
- Environment related Corporate Social Responsibility (CSR) programmes
- Environmental Social Governance (ESGs)
- Environmental studies for the energy industry
- UN Sustainable Development Goals (SDGs)
- Management of produced waters (PW) and drilling waste
- Environmental protection: remediation of contaminated land, oil spill preparedness and response
- Air pollution management and direct air capture (DAC)
- Biodiversity and ecosystem services

## **NEW FOR 2027** AI & Digital Era (AIDE) CATEGORY 13

- Artificial Intelligence (AI) for energy management
- Managing AI data centre energy demand and energy waste
- Robotics, Virtual Reality (VR), Augmented Reality (AR), mixed reality,
- Blockchain, 3D printing, autonomous and remote operations
- Industrial Internet of Things (IIOT), connected performance, integration of mobile devices
- Digital twins
- Big data, machine learning (ML) and advanced analytics
- Protecting oil and gas facilities: cyber and infrastructure security
- Drone software and technology advances and deployment
- Digital transformation initiatives and best practices leading to performance and energy efficiency enhancement
- Data governance, privacy and protection
- AI powered predictive maintenance and process optimisation
- Cybersecurity, IT/OT convergence and integration methods

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**Health & Safety (HS)** CATEGORY 14

- Safety culture and safety management systems, human factors and performance
- The role of leadership within HSE
- Best practises and responses to pandemics and natural disasters
- Occupational safety
- Process safety management (PSM)
- Accident prevention, control, preparedness and emergency response; case studies
- Stakeholder engagement, community awareness, and health and safety related Corporate Social Responsibility (CSR) programmes
- Mental health and wellbeing, occupational health
- Use of digital technologies to improve HSE, wearable technology
- Innovation in HSE
- AI integration in HSE

**Operational Excellence (OEX)** CATEGORY 16

- Improving asset integrity
- Improving energy efficiency
- Cost optimisation case studies
- Advancements in asset maintenance strategies, managing physical asset life extension, improving reliability
- Six Sigma methods and applications
- Intelligent automation and the role of technology to achieve operational excellence
- Business and enterprise alignment
- Business process re-engineering (BPR)
- Best practices in driving agility and frictionless operations
- Identifying and implementing processes aligned to company strategies and goals
- Drone case studies for inspection and maintenance
- Facility management and performance optimisation

**Geoscience (GEO)** CATEGORY 18

- Earth composition, structure, predictions
- Advancements in seismic surveys, imaging techniques and technologies
- Infrastructure and foundations integrity
- Ground water assessment and conditions
- Data collection, management and analysis
- Subsurface intelligence: exploitation of digitalisation, AI and machine learning
- Advance reservoir modelling

**NEW FOR 2027** **Completions & Well Engineering (COMPL)** CATEGORY 21

- Onshore and offshore well stimulation: hydraulic fracturing technology and operations
- Artificial lift innovation and technologies
- Well interventions, integrity management and surveillance
- Well engineering challenges and improvements, formation damage and production improvement
- Well cementing and zonal isolation
- Well logging technologies, remote sensing for new and existing wells
- Strategies for well production enhancement
- Reservoir damage: mitigation and treatment
- Intelligent completions: design, implementation and performance
- Completion fluids optimisation and filter cake breaker system
- Completions equipment for reducing costs and increasing productivity
- Tubulars and material selection

**Project Management & Execution (PM)** CATEGORY 15

- Successful project execution: engineering, procurement, supply chain, construction and management, cost optimisation, value engineering
- Managing new energy projects
- Agile project management
- Risks and challenges of brownfield projects
- Tackling oil, gas and petrochemicals mega-project challenges
- Managing pilot projects for R&D
- Project risk assessment and management
- Project contract management, management of contractors, turnkey projects
- Cost and benefit analysis, cost estimation and control
- Early production project approach
- Claims, disputes and arbitrations
- Risks associated with project delivery systems, types of tender and types of contracts
- Building Information Modelling (BIM) in managing projects
- AI integration in project management

**People & Talent Development (PPL)** CATEGORY 17

- Leadership and career development
- People management and continuous development: team building, mentorship and sponsorship of employees, training, innovation and skills development, developing work ethics, talent retention
- Performance management: appraisals, total rewards and compensation, incentive plans and executive compensation, managing employee benefits, employee loyalty programmes
- Talent acquisition strategies, promoting the energy industry to the next generation
- Corporate Social Responsibility (CSR) initiatives
- Diversity, inclusion, belonging: in-house women programmes, equal pay, returnship programmes
- Worker protection, employee rights and responsibilities
- Strategic HR management and planning, change management
- Workplace learning: technology, e-learning and virtual development, knowledge transfer between employees
- Millennials and Generation Z: building a future net-zero ready workforce

**Oil & Gas Field Development (FD)** CATEGORY 19

- Unlocking the potential of mature and brownfields
- Integrated development planning and field development case studies
- Integrated development for marginal fields
- Field surveillance and testing
- Production optimisation and enhancement case studies
- Reservoir engineering, monitoring and testing technologies
- Enhanced oil recovery (EOR): technology advancements and innovative strategies
- Smart digital oilfields: improving operational capabilities of assets
- Water management life cycle

**NEW FOR 2027** **Asset Integrity & Corrosion Management (AICM)** CATEGORY 22

- Engineering, fabrication, and lifecycle management of carbon steel and metallic structures
- Engineering inspection and integrity assessment: pipelines, storage tanks, pressure vessels, and static equipment
- Non-Destructive Testing (NDT), Risk-Based Inspection (RBI), Fitness-for-Service (FFS), and integrity management systems
- Protective coatings, linings, and advanced coating technologies
- Corrosion management, including internal and external corrosion mechanisms and corrosion monitoring
- Cathodic protection systems (design, monitoring, optimisation)
- Integrated corrosion protection strategies, combining materials selection, coatings, inspection, and cathodic protection
- Case studies on asset life extension, brownfield upgrades, and failure prevention

**NEW FOR 2027** **Drilling (DR)** CATEGORY 20

- AI, digital and automated drilling applications and technologies
- Drilling technologies and downhole equipment
- Directional drilling and drill bit advances
- Drilling fluids: technology, environment, performance enhancement
- Drilling practices and wellbore stability
- Drill cutting treatment and handling technologies
- Drilling performance and cost optimisation
- Managed pressure and underbalanced drilling

# CALL FOR PAPERS GUIDELINES

Submit your Abstracts

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## The call for papers closes on Thursday 9 July.

All submitted technical abstracts will be reviewed by the Egypt Energy Show 2027 Technical Committee in July and all authors will be notified in August.

### ABSTRACT SUBMISSIONS

- Abstracts should include up to 500 words and be written in English. Any entry submitted in a different language will not be considered.
- You are welcome to include additional information, such as illustrations, graphs or tables, as attachments
- Please do not submit the same abstract more than once. If you believe your abstract is relevant to multiple categories, please select one that is the best fit.
- One person can submit multiple abstracts within the same category or across multiple categories. However, please do not submit the same or slightly modified abstracts multiple times, as they will be removed.
- Prior to abstract submissions – management clearance must be obtained. Any issues concerning clearance should be outlined when the abstract is submitted.
- If you have presented this abstract previously, you can still submit but you will need to provide details of when and where it was presented before and look to include updated material since original presentation.

### TECHNICAL CATEGORIES

There is a choice of 22 different technical categories, all of which have multiple technical descriptions. Please have a thorough read through all of them and select one category that best describes your abstract. Please do not submit the same abstract more than once, as duplicates will be removed.

### COMMERCIALISM

Your abstract should not use language that is commercial in tone in the title, text or attachments. The use of such terms will result in careful scrutiny by the Technical Committee and may result in exclusion of abstracts from the evaluation process.



## CALL FOR PAPERS TIMELINE

**Monday 30 March 2026**  
Call for papers opens

**Thursday 9 July 2026**  
Call for papers closes

**September 2026**  
Author notifications and  
speaker invitations

**29 - 31 March 2027**  
Egypt Energy Show  
2027 opens

# CALL FOR PAPERS GUIDELINES

## ABSTRACT CONTENT

Your abstract should contain adequate information for review by the Technical Committee including:

## DESCRIPTION

Summarise the scope and nature of the work upon which the abstract is based, e.g. field data, lab data, original analysis, technology, innovation.

## APPLICATIONS

Describe the possible application of the information provided in the abstract.

## RESULTS AND CONCLUSIONS

Summarise the results and major conclusions to be presented, state specific conclusions of the work and how these differ from previous work on the same subject. State whether new information will be revealed and whether data from the field, refinery, plant, lab, pilot project will be included.

## TECHNICAL CONTRIBUTIONS

Describe the significance of the subject matter in the abstract by listing technical contributions or additions to the technical knowledge relevant to the energy industry.

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## GRADING CRITERIA

Your abstracts will be evaluated by the Technical Committee members according to the following grading criteria:

### QUALITY

The quality of the technical information provided. Data in the abstracts must be correct in terms of technical applications.

### IMPACT

what industry or organisational impact does your work have? Please include relevant results and/or case studies.

### NOVELTY

Your abstracts should demonstrate innovation and originality, and contain significant new knowledge, technical results or experience.

### INTEREST & RELEVANCE

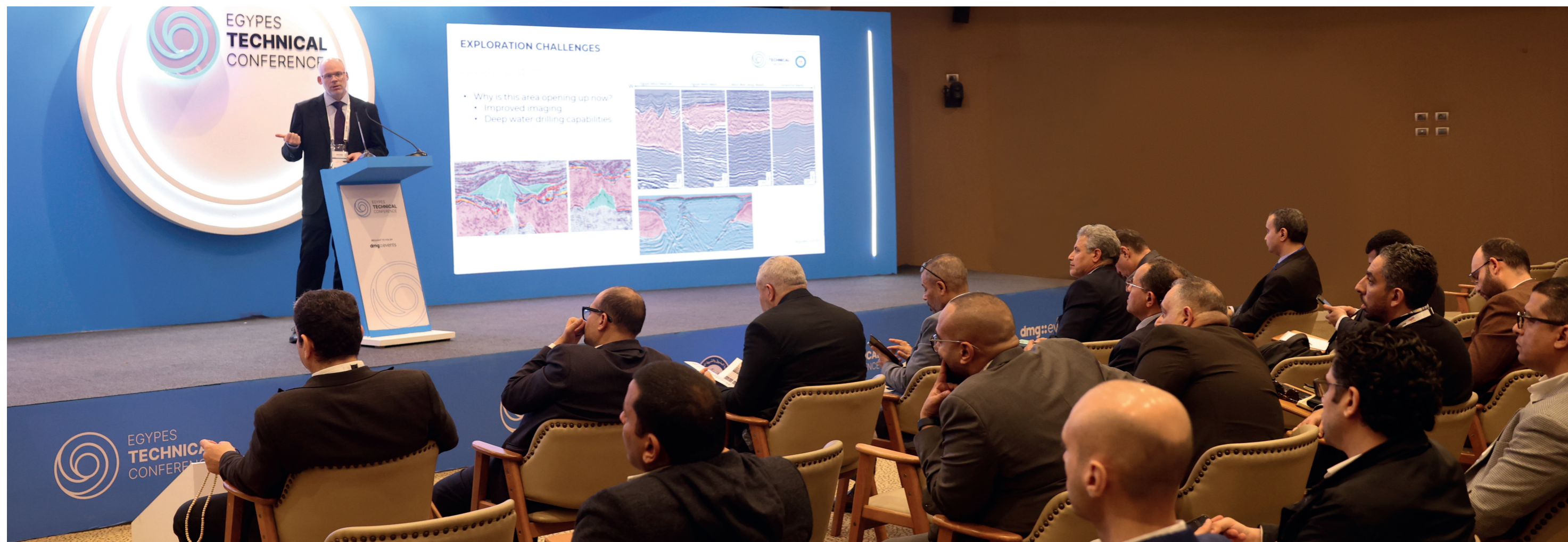
How relevant are your submissions to the current state of the energy industry?  
How interesting is the subject matter to the Egypt Energy Show audience and the industry overall? Will it grab their attention?

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## GUIDELINES FOR ACCEPTED ABSTRACTS

You will be notified in August if your abstract has been accepted. All authors who submitted their abstracts will receive an email stating if their abstracts have been accepted or not.

Authors of accepted abstracts will be required to prepare PowerPoint presentations, detailed instructions on the preparation will be sent to all authors once acceptance to speak has been received.

Egypt Energy Show does not require authors to submit their technical papers (manuscripts), as we do not publish these.

All the presenters will receive complimentary access to all three days of the Technical Conference sessions. However, any co-authors are required to purchase a pass if they would like to attend.

The organiser assumes no obligation for expenses by authors for travel and accommodation to attend and speak at the Conference.



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