



تحت رعاية فخامة الرئيس عبد الفتاح السيسي رئيس جمهورية مصر العربية
HELD UNDER THE PATRONAGE OF HIS EXCELLENCY ABDEL FATTAH EL SISI, PRESIDENT OF THE ARAB REPUBLIC OF EGYPT



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13 - 15 FEBRUARY 2023 | EGYPT INTERNATIONAL EXHIBITION CENTER

TECHNICAL CONFERENCE 2023 CALL FOR PAPERS

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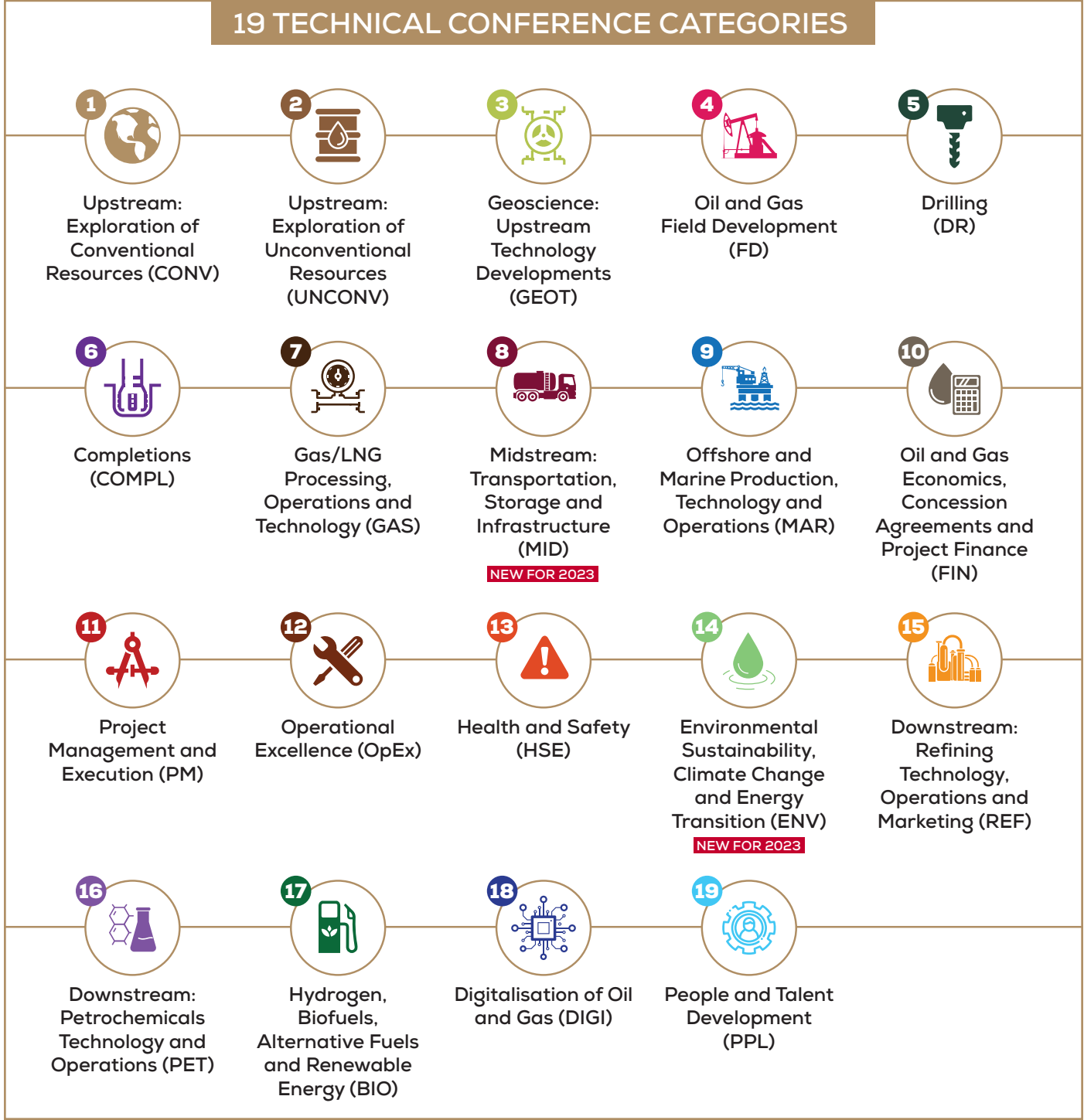
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EGYPS 2023
19 TECHNICAL CONFERENCE CATEGORIES



1 UPSTREAM: EXPLORATION OF CONVENTIONAL RESOURCES (CONV)

- Prospect evaluation and basin modelling
- Formation evaluation
- Reservoir characterisation
- Rock physics, properties and seismic inversion



2 UPSTREAM: EXPLORATION OF UNCONVENTIONAL RESOURCES (UNCONV)

- Unconventional resource assessment and evaluation, strategies for development
- Tapping into unconventional gas: coal, steam gas, shale gas, tight gas, methane hydrates
- Heavy oil, oil sands and shale oil
- Thin beds and tight reservoirs
- Nanotechnology applications

3


GEOSCIENCE: UPSTREAM TECHNOLOGY DEVELOPMENTS (GEOT)

- New logging technologies
- Advancements in seismic surveys and technologies
- Data collection, management and analysis
- Well logging, remote sensing for new and existing wells
- New technology applications – case studies

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OIL AND GAS FIELD DEVELOPMENT (FD)

- Unlocking the potential of mature fields
- Integrated development planning and field development case studies
- Integrated development for marginal fields
- Field surveillance and testing
- Production optimisation 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

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DRILLING (DR)

- Well engineering challenges and improvements, formation damage and production improvement
- Drilling technologies and downhole equipment
- Well cementing and zonal isolation
- Directional drilling and drilling bits advancements
- Drilling fluids: technology, environment, performance enhancement, digital solutions
- Drilling practices and wellbore stability
- Drill cutting treatment and handling technologies
- Drilling performance and cost optimisation
- Digital drilling solutions, automated drilling technology
- Managed pressure and underbalanced drilling
- Innovative rig designs

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COMPLETIONS (COMPL)

- Onshore and offshore well stimulation: hydraulic fracturing technology and operations
- Intelligent completions: design, implementation and performance
- Artificial lift innovation and technologies
- Well interventions and new technologies
- Well integrity management and surveillance
- Strategies for well production enhancement
- Reservoir damage: mitigation and treatment
- Completion fluids optimisation and filter cake breaker system
- Completions equipment for reducing costs and increasing productivity
- Tubulars and material selection

7


GAS/LNG PROCESSING, OPERATIONS AND TECHNOLOGY (GAS)

- Gas (and associated liquids) processing
- Gas liquefaction, regasification, FLNG
- LNG, LPG, CNG and Chemical Gas production challenges
- Efficient utilisation of 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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NEW FOR 2023

MIDSTREAM: TRANSPORTATION, STORAGE AND INFRASTRUCTURE (MID)

- Oil and gas transportation, flow assurance, pipeline technology, subsea tiebacks
- Pipeline infrastructure, best practices in pipeline management
- Preventive maintenance, smart pipelines
- Using existing infrastructure for hydrogen transportation
- Oil, gas and hydrogen storage, tanks and tankers
- Innovative technologies for gas metering and monitoring
- Integrated shipping and logistics
- Smart shipping

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OFFSHORE AND MARINE PRODUCTION, TECHNOLOGY AND OPERATIONS (MAR)

- 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)
- 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
- Decommissioning of offshore rigs
- Marine fuels, green shipping, hydrogen as a marine fuel, LNG as a marine fuel
- Bunkering developments and infrastructure

11



PROJECT MANAGEMENT AND EXECUTION (PM)

- Successful project execution: engineering, procurement, supply chain, construction and management, cost optimisation, value engineering
- Agile project management
- Risks and challenges of brownfield projects
- Tackling oil, gas and petrochemicals mega-project challenges
- Project risk assessment and management
- Project contract management, management of the contractors, turnkey projects
- Cost/benefit analysis, cost estimation, cost 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

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

- Oil and gas supply and demand trends
- Current economics, market trends, fiscal policies, contracts
- Concession agreements
- Egypt as Eastern Mediterranean energy trading hub
- Project finance: IPOs, cryptocurrencies, smart financing, mergers & acquisitions, joint ventures, portfolio diversification
- Financing hydrogen projects
- Gas market deregulation
- Economics on acquiring fields
- Oil and gas technical patents
- Petroleum legislation

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OPERATIONAL EXCELLENCE (OPEX)

- Improving asset integrity
- Improving energy efficiency
- Cost optimisation
- Advancements in asset maintenance strategies, managing asset life extension, improving reliability
- Six Sigma methods and applications
- Business Process Re-engineering (BPR)
- Intelligent automation and the role of technology to achieve operational excellence

13



HEALTH AND SAFETY (HSE)

- Safety culture and safety management systems, human factors and performance
- The role of leadership within HSE
- Preparedness and emergency response, mitigating risks
- Best practises and responses to COVID-19
- Occupational safety
- Process safety: accident prevention and lessons learnt
- 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

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NEW FOR 2023

ENVIRONMENTAL SUSTAINABILITY, CLIMATE CHANGE AND ENERGY TRANSITION (ENV)

- Reducing carbon footprint and greenhouse emissions
- Carbon Capture and Storage (CCS) and Carbon Capture, Utilisation and Storage (CCUS) initiatives
- Circular Economy: Reduce, Reuse, Recycle, Renew
- Management of produced waters (PW) and drilling waste
- Oil spill preparedness and response, environmental protection
- Biodiversity and ecosystem services
- Remediation of contaminated land
- UN Sustainable Development Goals
- Environment related Corporate Social Responsibility (CSR) programmes
- Decarbonisation and energy transition, net zero, clean energy business models

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DOWNSTREAM: PETROCHEMICALS TECHNOLOGY AND OPERATIONS (PET)

- 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
- Bio-based petrochemicals
- Overcoming environmental challenges, plastic/ petrochemicals recycling
- Biodegradable polymers: technologies, market trends, applications, environmental impact, case studies

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DOWNSTREAM: REFINING TECHNOLOGY, OPERATIONS AND MARKETING (REF)

- Refining and petrochemical integration, supply chain management and feedstock maximisation
- Improving refinery economics: decreasing the costs and increasing profitability
- Development and advancement of refining technology and processing
- Innovation and R&D in refineries
- Marketing and distribution of refined products: efficiency, safety and security
- Marketing and distribution: new efficient ways to approach your customers

17


HYDROGEN, BIOFUELS, ALTERNATIVE FUELS AND RENEWABLE ENERGY (BIO)

- Biofuels: feedstock, technology, production and usage
- Production and usage of grey hydrogen, blue hydrogen and blue ammonia
- Production and usage of green, yellow and pink hydrogen
- Hydrogen fuel and electric vehicles
- Synthetic fuels
- Solar energy: technology, operations, integration with existing facilities, case studies
- Wave power, geothermal
- Wind power: technology, operations, integration with existing facilities, case studies
- Oil and gas projects supported by renewables, green electrification

SUBMIT YOUR ABSTRACTS TODAY

DEADLINE: THURSDAY 23 JUNE

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DIGITALISATION OF OIL AND GAS (DIGI)

- Industrial Internet of Things (IIOT), connected performance, integration of mobile devices
- Digital twins
- Big Data, machine learning and advanced analytics
- Protecting oil and gas facilities: cyber and infrastructure security
- Artificial Intelligence (AI), robotics, Virtual Reality (VR), Augmented Reality (AR), mixed reality, blockchain
- Deployment of drones
- 3D printing
- Digital transformation initiatives and best practices leading to performance and efficiency enhancement

19



PEOPLE AND TALENT DEVELOPMENT (PPL)

- Corporate Social Responsibility (CSR) initiatives
- Diversity, inclusion, belonging: in-house women programmes, equal pay, returnship programmes
- Leadership and career development
- People management and continuous development: team building, mentorship and sponsorship of employees, training 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 oil and gas industry to the next generation
- 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
- Strategic company management
- Innovation in people development

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EGYPS 2023 IMPORTANT DATES



CALL FOR PAPERS GUIDELINES

All submitted technical abstracts will be reviewed by the EGYPS 2023 Technical Committee. Early submission is important to ensure the Committee members have ample time to review the abstracts. Authors are strongly encouraged to submit their abstracts online at www.egypt.com/cfp before **Thursday 23 June 2022**

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 deleted
- 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

GRADING CRITERIA

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

- Impact – what industry or organisational impact does your work have? Please include relevant results and/or case studies
- Novelty – your abstract should demonstrate innovation and originality, and contain significant new knowledge, technical results or experience
- Interest & relevance – how relevant is your submission to the current state of the energy industry? How interesting is the subject matter to the EGYPS audience and the industry overall? Will it grab their attention?

GUIDELINES FOR ACCEPTED ABSTRACTS

- You will be notified in September 2022 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
- EGYPS 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. However, all the 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 event

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
- 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, lab, refinery, plant 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

TECHNICAL CATEGORIES

There is a choice of 19 different technical categories, all of which have multiple subcategories. Please have a thorough read through all of them, and select one category that describes your abstract best. Please do not submit the same abstract more than once, as duplicates will be deleted.

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 from the evaluation process



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