CALL FOR PAPERS

10TH NORTH AFRICA PETROLEUM EXHIBITION & CONFERENCE

15th-18th March 2020 at Oran International Convention Center, Algeria

NAPEX 2020
NAPEC is the largest and most influential International Exhibition and conference in the hydrocarbon and energy sectors in Africa and the Mediterranean
CALL FOR PAPERS NAPEC 2020

The NAPEC Conference will feature over 24+ sessions across 12 categories and over 100 industry expert speakers and representatives from both the regional and international oil and gas community, providing the unique opportunity to gain insights into the industry’s entire value chain and to engage with your peers.

CALL FOR PAPERS SUBMISSIONS
DEADLINE: MONDAY 18 November 2019

The three-day conference will deliver high quality of knowledge and experience, and will bring together international experts and decision makers from NOCs, IOCs, integrated energy companies, and technology providers, to connect with the fast-evolving hydrocarbons and energy industry value chain and companies driving North Africa’s industry future.

The following main topics will be covered during NAPEC 2020 from 15 – 17 March 2020 at Oran Convention Center (CCO), Algeria.

Important Dates

Call for Abstracts Opens

15 August 2019

Abstracts Submission deadline

18 November 2019

Conference

15 – 17 March 2020
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STRATEGIC SESSION’S TOPICS
STRATEGIC TRENDS AND INSIGHTS IN OIL AND GAS INDUSTRY

- Algeria and North Africa countries Strategy to develop Exploration and Production Onshore/Offshore Investment Opportunities. What policy frameworks do we need to facilitate this development?
- North Africans NOCs: What business models best fit with the new oil and gas trends?
- IOCs O&G Investments Strategy in North Africa - Potentials and Opportunities
- NOCs Strategy for Hydrocarbon Reserves Renewal: Sharing experience with Partners to achieve this goal
- E&P Cost Reduction and Efficiency Operation - Partnership sharing Experience and knowledge
- Digitalization transformation in the E&P lifecycle - Involvement of North African countries
- How has the oil price downturn impacted the business models of oilfield service companies (OFS)? How Digitalisation Innovations will maintain their competitive edge?
- Road Map for Shale Oil/Gas in North Africa region - Cross Country Analysis
- New technologies for Unconventional Resources for more efficiency operation and less environment impact
- Oil Price Market Trends: Impact on North Africa countries
- LNG and Gas Market trends: Impacts on North Africa countries and Mediterranean region
- LNG and Gas Technologies Advances: A key factor for North Africa countries to remain competitive
- Oil & Gas pipelines market: Opportunities in North Africa and Mediterranean region
- New technologies for EPC project cost saving
- Refining and Petrochemicals Investments: New Strategy for Capital Gain and promising alternative for partnership
- QHSE: define Strategy and evaluate Cost to Meet a new Environment Regulation Requirements
- Long term Gas supply management for Power Generation
- North Africa digital energy revolution: What will be the industrial implications?
- Oil and Gas Industry Management: Added value from Analytics Applications Advances
- Integrating Renewable into O&G Companies Business Model – from Petroleum Company to Energy Company
- Local Content: Integration in Petroleum Industry and Country Value
- Energy policies and regulatory frameworks evolution impact on North African Countries.

TECHNICAL SESSION’S TOPICS:
UPSTREAM SESSION’S TOPICS

1. EXPLORATION & PRODUCTION - GEOSCIENCES - (GEP)

- North Africa Basin Analysis and Modelling; Source to Migration to entrapment
- Advances knowledge in North Africa mature basins.
- New Exploration Plays (Subtle Traps, Deep Plays, recent discovery in new play)
- Advances in Seismic Imaging: effective data Acquisition, processing and modelling for Vertical Resolution Enhancement
- Reservoir Modelling: Faults and Fracture Characterisation, Fault Seal Analysis/DFN Modelling
- Advances in Seismic Inversion for Reservoir Characterisation
- Reservoir properties Characterisation: SCAL, RRT, Core Integration, PNM, DPR
- Advances in Petrophysics Analysis and Formation Evaluation
Open Hole and Cased Hole Logging
Petro physics of Naturally-Fractured Reservoirs
Advancement in Real-Time Formation Evaluation: Case Studies
Emerging Logging Technologies and Interpretation Methods
Integration of Magnetic Resonance (CMR- combinable/NMR- Nuclear) Logs
Advances in Dynamic Formation Evaluation
Uncertainty Assessment and Risk Management: Role of Geosciences for better Decisions
Geostatistics and Static Modelling
Data-Driven Analytics; Applications in G&G
New Technology Application in Exploration: Case Studies with Minimum Environment Impacts
R&D: Geosciences Technology Development and Deployment.

2. UNCONVENTIONAL OIL AND GAS RESOURCES

Shale Gas Potential: An Opportunity for North Africa countries?
Alternative Fluids for Hydraulic Fracturing
Fracking Techniques, Plug and Perf and Compartmentalisation
Unconventional Gas Exploration test in North Africa
Unconventional Resource Assessment: Methods to Estimate Gas Volumes in Place and Ultimate Recovery
Geomechanics, Horizontal Drilling and Hydraulic Fracturing in Shale Gas Plays
Advances in Understanding of Shale Gas Transport, Recovery Enhancement, and Simulation Modelling
Geological and Geophysical Characterisation of shale gas and oil.
Petro physical Characterisation
Technical and Operational Challenges of Tight Gas and Oil and Shale Gas and Oil

3. OIL AND GAS FIELDS DEVELOPMENT (OGFD)

Developments Strategies: Marginal Fields, Complex Reservoirs,
Field Development–Uncertainty Analysis
Development Plan Optimisation of the Reserves and Project Economics
Brown Fields Optimization/Revitalisation, Redevelopment, and Field Ends Life Planning
Innovative technologies for green field, brown fields Solutions Management
Advances technologies in Oil field Services - Operation Efficiency and cost saving
Enhanced oil recovery (EOR) - Achieving Exceptional Recovery–Case Studies
EOR Project Screening and Planning of Pilot EOR Projects
EOR Mechanisms and Low Salinity Modelling, Impact on Displacement Efficiency
Gas Injection and Production/Process Optimisation
Maximising Production–Downtime Management and Well Utilisation
Reservoir Modelling, Simulation, and History Matching - best practice
Artificial Lift Technology and Applications
Well Testing and Production Logging
Smart and Digital Oilfields: improving operational capabilities of assets – case studies
Downhole Sensing, Flow Monitoring and Control
Advances in Rigless Well Intervention
Extending the Economic Life of Mature Fields
Reservoir Life Cycle Management
• New Onshore / Offshore Technologies
• Data-Driven Analytics; Applications in Reservoir Engineering
• QHSE: Case studies on Environmental footprint and advanced solution

4. DRILLING TECHNOLOGIES AND COMPLETION PRODUCTION OPTIMIZATION / COST REDUCTION (DTC)
• Innovation in Digital Drilling Technologies: case studies
• Onshore Well Construction: Drilling, Completion, and Stimulation
• Intelligence completions: design, implementation and performance
• Drilling fluids: technology, environment, performance enhancement
• Rig and Equipment Integrity Management: Best Practices
• Advanced Drilling Techniques to Develop Gas Resources
• Drilling and downhole: technology for production optimization, cost reduction
• Onshore well stimulation: hydraulic fracking technology and operations
• Artificial lift innovation and technologies
• International practices for site restoration and abandonment of old wells.

DOWNSSTREAM SESSION’S TOPICS

5. GAS PROCESSING, TRANSPORTATION & UTILIZATION: (GPTU)
• Gas Technology Innovations: Processing, Production, Transportation, Storage and safety
• Gas Pipelines Challenges, Advances and Technologies
• CNG (Compressed Natural Gas) - GTL (Gas to Liquids) - DME (Di-Methyl Ether)
• Gas conversion into energy vectors: Methanol, DME
• Gas to Power Engineering and Technology
• New innovation and technologies in gas utilization
• Associated Gas Management - Sour Gas Management - Gas Hydrates
• Process Engineering: Innovation and Technology
• Operation, Maintenance and Reliability
• Gas, GTL and LNG Storage: Onshore / offshore
• Ship Design and Built, Engineering and New Innovations
• Innovation in safety operation and equipments.

6. ADVANCES IN LNG PROCESSING (ALNGP)
• New technologies deployed for LNG
• Floating LNG Concept (FSRU’s & LNG FPSO), Engineering, Technology and Marine Operation
• Small Scales LNG, Design, infrastructure and Marine
• LNG Shipping Challenges, innovation and Technologies
• LNG Storage facilities and Re-gasification – LNG as Fuel
• QHSE Process on LNG Plants and ships

7. REFINING AND PETROCHEMICALS OPERATION OPTIMIZATION (RPOO)
• Refining technology and processing developments: catalytic and thermal cracking
• Refining and petrochemical integration and feedstock maximisation
• Fuels and lubes product integrity, standards and legislations
• Hydrocracker reaction and fractionation units, delayed coking units, contaminants removal, alkylation and polymerisation, isomerisation
• Successful project execution: EPC and Management, cost optimisation
• Mitigating challenges during commissioning and start up operations
• Processing transportation and infrastructure
• Catalyst Technologies & Application
• Refinery Well Planned Turnaround & Maintenance
• Refining Process Optimization
• Clean Fuels, Reliability & Asset Integrity
• Extended Petrochemicals Industry Supply Chain Management - Digital Solutions
• Safety Management: Fuels distribution- efficiency, safety and security
• Petrochemical and refining integration, supply chain management and feedstock allocation, diversification

MIDSTREAM SESSION’S TOPICS

8. PIPELINE TECHNOLOGY - MANAGEMENT AND OPERATION OPTIMIZATION (PTMC)
• Pipeline Operation and maintenance
• Pipeline Safety Management System
• Pipeline construction drivers, corrosion cost engineering issues
• Asset integrity management
• Oil & Gas Pipeline Design, Maintenance, Inspection, Repair and Rehabilitation
• Advancements in pipeline technologies: improve planning, construction and operation
• Innovation in GIS and planning pipeline routes technologies
• Sophisticated coatings that protect pipelines
• Load moment indicators used to keep pipeline workers safe
• Geohazard Management Program works to avoid Natural risks
• Technologies for tiny leaks detection
• Sophisticated technologies for underground pipeline Supervising and Control
• Advances in Analytics Applications for Midstream Activities

ENVIRONMENTAL SESSION’S TOPICS

9. MINIMUM EMISSION - MINIMUM ENVIRONMENTAL FOOTPRINT - LNG AND INDUSTRY SHIPPING
• New Approaches for Environmental Impact Assessment and Management
• Effective Concepts for Occupational Health Management
• Integrating Asset Integrity and HSE Management
• Best Practices in Gas Flaring and Emission Reduction
• Major Accidents Prevention and Lessons Learnt
• Innovation in Environmental Protection
• Energy Efficiency - Reducing Environmental Foot Print
• Waste water management & reuse
• Managing the Asset Integrity Risks Associated with CO2 and H2S
• New Technologies for Emissions Reduction - Trends in Carbon Intensity Reduction
• Carbon Pricing and regulatory frame work
• Minimising Environmental Footprint
• Human Factors in HSE Performance
• Promoting Safety Culture: Change in Mindset
• GAS EMISSIONS – FLARING

O&G DIGITAL TRANSFORMATION : SESSION’S TOPICS

10. DIGITALISATION AND CYBER SECURITY IN OIL AND GAS INDUSTRY (DSOGI)

• Industry Digitalisation
• Cyber Security : Protecting oil and gas facilities
• Data Analytics and Big Data for Digital Transformation
• Industrial internet of things (IIOT)
• Smart Operations and Knowledge Management
• Advances in predictive analytics techniques and data handling technologies
• Smart, connected assets, devices and wireless technologies
• Cloud engineering and virtual technology validation
• Digital plants, integrated hardware, software, monitoring and predictive analytics

ENERGETIC TRANSITION SESSION’S TOPICS

11. ENERGY MIX MODEL: FOSSIL ENERGY AND RENEWABLE ENERGY (FE&RE)

• Manufacturing renewable in North Africa Countries– potential and benefits.
• Forecasting North Africa Renewable project.
• North Africa Energy Renewable Outlook
• Financing Renewable projects – New Models
• Renewable testing and standardizing to support regional Renewable projects
• Smart Power Projects-Smart Lightning Projects
• Alternate energy Storage and transportation
• Hydrogen as the enabler of large scale development of renewable energy.

12. POWER GENERATION AND DISTRIBUTION: TECHNOLOGY AND OPERATIONS (PGDTO)

• Digital transformation impact in power generation and distribution
• Re gasification, Transmission and Distribution and Power Generation
• Plant upgrades, refurbishment, manufacturing and equipment
• Power plant fuel supply
• Gas turbine technology
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