



-я встреча НАУЧНО-ТЕХНИЧЕСКИЕ ДНИ:

**ИННОВАЦИИ И ПАРТНЁРСТВО В
ГЛОБАЛЬНОМ КОНТЕКСТЕ
ЭНЕРГЕТИЧЕСКОГО ПЕРЕХОДА**

ОРАН (АЛЖИР), 16 - 19 АПРЕЛЯ 2018г.

Национальная компания по исследованиям, добыче, транспортировке, переработке и сбыту углеводородов (СОНАТРАК) организует под высоким патронажем Его Превосходительства Президента Республики господина Абдельазиза Бутефлики 11-ю встречу *Научно-Технические Дни (JST11)*, а также 3-ю *Научную Выставку "ExpoSciences3"*.

Мероприятие пройдет с 16 по 19 апреля 2018г. в Конференц-центре Орана и будет посвящено теме:

«Инновации и партнёрство в глобальном контексте энергетического перехода»

С момента своего появления в 1994 году данное мероприятие международного масштаба является площадкой взаимодействия между специалистами и учеными-исследователями, где они могут поделиться своими знаниями и обсудить темы, связанные с актуальными научно-техническими вопросами мира энергетики.

Информация касательно практического аспекта участия, а также вся иная информация, связанная с темами данной встречи, подробно представлена на веб-сайте мероприятия: jst.sonatrach.dz

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I. TECHNOLOGICAL ADVANCES IN UPSTREAM

1. *Technical and Technological Innovation in Reservoir Modeling and Processes to Improve the Recovery Rate of Production (IOR / EOR ...).*
2. *Advances in seismic imaging, sedimentology, stratigraphy, geochemistry and geomechanics techniques.*
3. *Drilling and completion technology: advances in drilling techniques, cementing and well integrity, well intervention, stimulation...*
4. *Best practices in the operation of surface installations and monitoring of well performance.*

II. TECHNOLOGICAL ADVANCES IN DOWNSTREAM

1. *Contribution of new technologies in improving the efficiency of LNG units.*
2. *Refining Processes and configuration of refineries.*
3. *New technologies in the LNG chain.*
4. *New technologies in petrochemicals.*
5. *Prospects for refining capacity, margins, and demand for petroleum products.*

III. CORPORATE STRATEGY AND THE EVOLUTION OF ENERGY MARKETS

1. *Strategies of Oil & Gas companies in a transitional context (Alliances, partnerships, choice of investment, market shares...).*
2. *Energy market outlook, price stability and investment.*
3. *Prospects for the evolution of oil and gas industry confronting the energy transition: strategy and organization.*
4. *Evolution of energy and technology markets, towards which transition?*

IV. CLIMATE CHANGE, RENEWABLE ENERGY AND ENERGY EFFICIENCY

1. *Climate change: Understanding, reacting and anticipating.*
2. *Renewable Energies: What tools and what Management?*
3. *Energy efficiency: Savings and innovative solutions.*
4. *Waste Management, Chemicals and Air Releases: New and Innovative Solutions.*

V. NON-CONVENTIONAL RESOURCES

1. *Prospects and challenges in the exploration and development of non-conventional resources.*
2. *Innovative technologies for improving the performance of fracturing operations.*
3. *Supply Chain Best Practices for Development and Exploitation of Unconventional Resources.*
4. *Optimization of drilling campaigns: implantations, drilling rigs, new technologies. ...*

VI. HUMAN RESOURCES DEVELOPMENT

1. *New Approaches to Occupational Health.*
2. *Promoting employability of people with disabilities.*
3. *New approaches to HR strategic planning.*
4. *Succession planning and succession preparedness.*
5. *Innovation in HR management and training tools.*
6. *Intergenerational transfer of knowledge and communities of practice.*
7. *New labor organizations.*

VII. DIGITALIZATION - DIGITAL TRANSFORMATION IN OIL AND GAS SECTOR

1. *Trends and innovations of IT Infrastructures (Cloud, mobility, convergence ...).*
2. *Security of information systems and industrial installations (Cybersecurity, Cloud, risk management, etc.).*
3. *Digital transformation and new stakes and challenges of applications and solutions (Dematerialization, Open source, Agility ...).*
4. *Feedback from oil & gas companies about information systems (ERP, Internal development, digitization, IOT, CRM, security...).*
5. *Issues of data control for Oil & Gas (Analytics, Piloting, Big data, Artificial Intelligence, KM...).*

VIII. FACILITIES INTEGRITY AND TECHNOLOGICAL CHALLENGES

1. *Classified facilities and risk prevention.*
2. *Innovations in Techniques of Inspection of Pipes and Surface Facilities.*
3. *New diagnostic and repair techniques and systems of protection of surface installations and hydrocarbon transport pipelines.*
4. *Construction of hydrocarbon transport pipelines and integrity.*
5. *Abandonment of facilities: current approaches, solutions and regulations.*

IX. ENGINEERING AND R&D IN ENERGY INDUSTRY

1. *Evolution of engineering professions in the energy industry.*
2. *Modeling and dimensioning of Renewables plants.*
3. *Technological innovations for increasing plant life and optimizing availability.*
4. *Development and implementation of a value engineering analysis process on all phases of the project life cycle.*
5. *R & D in the energy industry.*

X. LOCAL INTEGRATION AND LOCAL PARTNERSHIP

1. *Local partnership and transfer of national know-how (public / private, intra-group).*
2. *Development of local industry serving the energy sector (feedback and perspectives).*
3. *University: source of innovation for the energy industry.*
4. *Position of the National Integration in the Oil & Gas Sector.*
5. *Corporate Social Responsibility of Oil & Gas companies in local development (Energy, ICT, road networks, culture, etc.).*

XI. RISK MANAGEMENT

1. *Management of occupational hazards.*
2. *New techniques for investigating accidents and incidents.*
3. *New techniques for managing emergencies and crises (CSI).*
4. *Modern management of buildings and industrial facilities.*
5. *Risk management as a transverse discipline.*