CALL FOR PAPERS

Partnership and Innovation: The Silk Road towards a Sustainable Energy Future

26 - 28 March 2019
Beijing International Convention Center
Beijing, China

Host Organisation:

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Sponsoring Societies:

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Dear Colleagues,

The International Petroleum Technology Conference (IPTC) is a multi-disciplinary event sponsored by four leading industry societies – American Association of Petroleum Geologists (AAPG), European Association of Geoscientists & Engineers (EAGE), Society of Exploration Geophysicists (SEG), and Society of Petroleum Engineers (SPE).

The 11th edition of the IPTC will be held 26-28 March 2019 in Beijing, China, with the prime theme:

“Partnership and Innovation: The Silk Road towards a Sustainable Energy Future”

IPTC is renowned for bringing technical professionals and industry experts together, from exploration geoscientists to production engineers. The programme committee consists of subject matter experts from all sponsoring societies who have set high selection criteria for the papers to be presented at this conference, ensuring an unrivalled quality for this multi-session programme. With over 30 technical categories, most of them diverse and multidisciplinary in nature, we believe that these topics are representative of the issues and challenges facing the industry today.

Panel discussions with industry leaders and technical sessions will address a broad range of topics and challenges including the following:

- Industry Cycles: What Have We Learned?
- Emerging Technologies – Beyond Cost Saving and Creating Efficiency
- The Role of Gas in the Future Energy Mix
- What's Next in Unconventional?
- Industry 4.0: What's in it for Our Industry?
  - Big Data, Cyber Security, Automation, Machine Learning, Internet of Things, etc

The deadline for submitting abstracts is 31 May 2018. Abstract submission is available online through the IPTC website at www.iptcnet.org/19IPTC/home/. Authors will be notified of their paper status in September 2018.

This prestigious conference will provide a unique platform for leaders, professionals and researchers to share their experience, innovations, technology advancements and best-in-class practices for a sustainable energy future.

With your support, the conference will no doubt be a successful and significant event. We thank you in advance for your active participation and valued contribution, and look forward to meeting you in Beijing in 2019.

Sincerely,

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PetroChina, CNPC

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Chief Petroleum Engineer
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### Technical Categories

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<td>- Seismic attributes</td>
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<td>- Seismic facies prediction</td>
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<td>- Seismic fracture characterisation</td>
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<td>- Seismic reservoir mapping</td>
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<td>- Time-lapse geophysical interpretation</td>
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<td>- Well-to-seismic tie</td>
<td>- Reliability availability management</td>
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<td><strong>7. IOR/ERO/ERG</strong></td>
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<td>- Advanced EOR technologies</td>
<td>- Transient modelling</td>
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<td>- Chemical flooding</td>
<td><strong>16. Facilities Discipline Engineering</strong></td>
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<td>- Conformance technologies</td>
<td>- Civil and structural engineering</td>
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<td>- EOR modelling</td>
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<td>- Gas injection (CO2, N2, etc)</td>
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<td>- Low salinity water flooding</td>
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<td>- Grid refining and solvers</td>
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<td>- History matching</td>
<td>- Rate of gas and L2-NGL in future energy mix and petrochemicals</td>
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<td>- Integrated modelling and complex processes</td>
<td>- Storage and transportation</td>
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<td>- Integration of production and performance data</td>
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</table>
22. Asset Life Cycle, Production Maintenance, Integrity
- Asset Management and Maintenance
  - Computerised maintenance management systems
  - Corrective maintenance and intervention
  - Integrity strategy
  - Operating envelopes
  - Pipeline maintenance (including pigging)
  - Preventative maintenance
  - Shutdowns and turnarounds
  - Well integrity and intervention

Flow Assurance
- Artificial lift
- Bacteria management
- Chemical management
- Corrosion inhibition
- Equipment strategies and sparing philosophy
- Filtrate assurance
- Hydrate inhibition
- Mixing fluid streams
- Produced water management and disposal
- Production chemistry
- Sand control and sand management
- Scale management
- Slugging
- Smart chemicals

End of Life / Abandonment
- Monitoring
- Recycling
- Revitalisation and reinstatement
- Structural facilities removal
- Well abandonment

23. Data Analytics and Collaboration Tools in Field Development
- Big data and data management
- Collaboration centres and communication tools
- Control systems
- Field of the future, digital oilfield, smart fields, smart wells
- Intelligent operators and real-time operations and monitoring
- Multi-skilling/people redeployment
- Remote operations
- Use of social media/applications in asset management

24. Deepwater and Pre-Salt Development Case Studies
- Advanced drilling and intelligent completions
- Concept selection and front-end engineering design
- Deep water infrastructure
- Integrated projects
- Major projects
- Minor projects
- Onshore and offshore
- Production optimisation

25. Well, Reservoir and Facility Management
- Data and data management
- Exception based surveillance
- Integrated production system modelling
- Integrated reviews
- Metering and allocation
- Monitoring and learning
- Opportunity identification and opportunity maturation process
- Scheduling and execution
- Tracers injection and application
- Well and reservoir surveillance
- WPRM strategy

26. CO2, IOR and EOR in Operations and Production
- Chemicals
- CO2, generation, transport and storage
- Disposal and reuse options
- Gas cycling
- Gas/nitrogen injection
- Produced water irrigation
- Produced water management
- Water and gas injection
- Water injection well design
- Water treatment and water quality

27. Conventional Gas and Integrated Gas
- Enhanced gas recovery
- Gas deaquification
- GTL (Gas to Liquids)
- LNG and floating LNG
- Produced water management and disposal
- Production chemistry and flow assurance
- Production monitoring and control

28. Unconventional Oil and Gas
- Approaches to screening and assessing unconventional plays
- Case study in developing unconventional plays
- Improvement of acceptance in community and public for developing unconventional plays
- Key factors to design and optimise well location
- Optimisation of production management for unconventional plays
- Production water management and disposal
- Reservoir characterisation and simulation for unconventional plays
- Reservoir protection of unconventional plays during drilling, completion, stimulation and production
- Technologies in drilling, completion, stimulation and production in developing unconventional plays
- Unconventional reservoir quality
- Role of geoscience in completion effectiveness
- Role of geoscience in operational geohazards

29. Unconventional Resources and Marginal Development
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- Gas hydrates
- Oil sand
- Shale gas and oil
- Tight gas/sal reservoir

30. Health and Safety
- Asset integrity
- Contingency emergency response planning
- Crisis management
- HS&E management systems
- Human factors
- Job safety planning
- Management of contractors
- Management of emergency hydrocarbon releases
- Permit-to-work management
- Process safety management
- Safety during construction
- Safety during operations
- Safety in facility design
- Safety in transportation
- Safety leadership, culture, and human factors
- Simultaneous operations (SIMOPS)

31. Environment
- By-product solutions (sulphur, bio-waste)
- Carbon capture and storage
- Cuttings disposal
- Emissions
- Fluid remediation (drilling and produced fluids)
- Handling of radioactive sources
- Produced water handling
- Source-water and waste-water management
- Unrecoverable resource development and environmental aspects
- Waste management
- Water disposal

32. Security
- Cyber security and data security
- Data management/security of data
- Piracy
- Sanctions and embargoes
- Site security and mitigation
- Terrorism, hijacking, and kidnapping

33. Human Resources
- Attracting and retaining talent
- Career development
- Data and knowledge sharing
- Government/regulatory policies and incentives
- Human factors
- Knowledge transfer from the baby boomers
- Labour welfare
- Management of contractors
- Promoting the energy industry to the youth
- Promoting women in the energy industry
- Strategic resource planning and management in a cyclical industry
- Talent management
- Training and competency
- Workforce diversity

34. Social Responsibility
- Community development
- Corporate social responsibility
- Corporate social responsibility/community development projects
- Education and capability building
- Local skills development

35. Lessons Learnt and Knowledge Management
- Building organisational capability
- Business continuity
- Centres of Excellence (COE) and virtual teams
- Data and knowledge sharing
- Data management and data architecture
- Lessons learnt culture
- Teamwork
- Use of social media
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- Use of visual media

36. Commercial and Risk Management
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37. Cloud Computing
- Applications
- Case studies

38. Big Data
- Advances
- Applications
- Case studies

39. Artificial Intelligence / Machine Learning
- Applications
- Case studies

40. Drones / Robotics
- Applications
- Case studies
Guidelines For Abstract Submission

Oral Presentations/ePoster Presentations for the Conference will be selected from abstracts submitted to the Conference Programme Committee. The Programme Committee will consider all abstracts submitted by the deadline of 31 May 2018. Early submission is particularly important to ensure that the committee members have ample time to review the abstracts. Authors are strongly encouraged to submit their abstracts electronically at the IPTC website, http://www.iptcnet.org/19iptchome/.

1. ABSTRACT CONTENT

A proper review of your abstract requires that it contain adequate information on which to make a judgement. Written in English and containing a maximum of 450 words, abstracts should be summarised into four (4) specific paragraphs:

a) Objective/Scope: Please list the objective and/or scope of the proposed paper. (25-75 words)
b) Methods, Procedures, Process: Briefly explain your overall approach, including your methods, procedures and process. (75-100 words)
c) Results, Observations, Conclusions: Please describe the results, observations and conclusions of the proposed paper. (100-200 words)
d) Novel/Additive Information: Please explain how this paper will present novel (new) or additive information to the existing body of literature that can be of benefit to and/or add to the state of knowledge in the petroleum industry. (25-75 words)

Do not include title or author names in the body of the abstract. Title and author information will be requested separately through the submission system.

2. TECHNICAL CATEGORIES

Please refer to the list of technical categories to indicate the category that best describes your abstract. A primary choice is required; however, a secondary choice is optional. Abstracts are evaluated on the basis of the information supplied on the abstract form in accordance with the following criteria:

a) The proposed paper or ePoster must contribute to petroleum technology or be of immediate interest to the oil and gas industry, and should contain significant new knowledge or experience in the oil and gas industry.
b) Data in the abstract must be technically correct.
c) The proposed paper or poster may present information about equipment and tools to be used in exploration and production. Such abstracts must show the definite applications and limitations of such equipment and should avoid undue commercialism and extensive use of trade names.
d) The substance of the proposed paper or poster must not have been published previously in trade journals or in other professional or technical journals.
e) Prior to abstract submission, clearance must be obtained. Any problems concerning clearance should be outlined when the abstract is submitted.

About IPTC

Founded in 2005, the International Petroleum Technology Conference® (IPTC) is the flagship multidisciplinary technical event in the Eastern Hemisphere. IPTC is a collaborative effort among the American Association of Petroleum Geologists (AAPG); the European Association of Geoscientists and Engineers (EAGE); the Society of Exploration Geophysicists (SEG); and the Society of Petroleum Engineers (SPE). The synergy of these four, leading, individual member societies provides the most comprehensive opportunity to form multidisciplinary committees.

IPTC seeks to disseminate knowledge across the oil and gas exploration and production industry, showcasing new and current technology, and best practices across multiple disciplines, emphasising the importance of collaboration to identify and deploy innovative solutions to maximise asset value.