



# IPTC

International Petroleum  
Technology Conference

[www.iptcnet.org/19IPTC/home/](http://www.iptcnet.org/19IPTC/home/)

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

**26 - 28 March 2019**

*Beijing International Convention Center  
Beijing, China*



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to attend today!

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Group registration  
available

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**CONFERENCE UPDATES**

## ABOUT IPTC

Founded in 2005, the International Petroleum Technology Conference (IPTC) continues to be the flagship multidisciplinary technical event in the Eastern Hemisphere. The conference content and associated programmes will address the technology and related industry issues that challenge management, established petroleum professionals and young people seeking to join our industry from around the world.

IPTC is focused on the dissemination of new and current technology, best practices and multi-disciplinary activities, emphasising the importance of the value chain, and multidisciplinary cooperation in order to maximise asset value.

IPTC is sponsored by four professional associations, 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, member driven organisations, through the formation of knowledgeable and experienced committees comprising senior leaders and experts, supportive of the IPTC mission, has ensured another outstanding technical programme consistent with previous editions of IPTC.

## EDUCATIONAL PROGRAMMES

### EMERGING LEADERS WORKSHOP

Themed “**The Role of Young Professionals in the Transformation to Industry 4.0: Innovate to Fuel Tomorrow**”, this interactive workshop aims to engage enthusiastic Young Professionals (YPs) and industry experts to chart a road map to achieve a swift transformation. This road map will highlight how various technical disciplines will benefit from such transformation as well as the skillset and trainings required for YPs to lead the transformation. It will include real life industry case studies for participants to exercise their ingenuity and prepare them for such opportunities. YPs from various organisations will have the opportunity to devise solutions, contribute as a group and present their findings in a competitive environment.


### EDUCATION WEEK

This programme caters to the brightest 3rd and 4th year undergraduates in science, geoscience and engineering representing international institutions. The programme incorporates a joint group project, presentation and networking with major industry employers looking to recruit the best talent from around the world.

## CONFERENCE HIGHLIGHTS


**10**  
 dynamic CEO plenary and panel discussion sessions

**4**  
 engaging Ask the Expert sessions

**4**  
 Integrated Project Award and case study sessions

**70**  
 multidisciplinary technical sessions

**500+**  
 technical presentations






**2**  
 educational programmes



# CONFERENCE PROGRAMME SCHEDULE (updated as at 23 September 2018)

Date	Time	Convention Hall 3	Room 307	Room 308	Room 302	Room 303	Room 305 A/B	Room 305 C/D/E	Room 311 A	Room 311 B	Room 311 C	
Tuesday, 26 March 2019	0900-1015 hours	Opening Ceremony and Award Presentation - Convention Hall 1, Level 2										
	1015-1045 hours	Coffee Break										
	1045-1230 hours	CEO Plenary Session: <i>Partnership and Innovation: The Silk Road towards a Sustainable Energy Future</i> - Convention Hall 1, Level 2										
	1230-1345 hours	Conference Luncheon - Convention Hall 2, Level 2										
	1345-1445 hours	Exhibition Opening Ceremony and VIP Tour of Exhibition - Exhibition Hall 1 & 2, Level 1										
Wednesday, 27 March 2019	1400-1530 hours *1400-1450 hours	Panel Session 1 Industry Cycles - What Have We Learned?	*Ask the Expert Session 1 Digital Rock Approach for Extending Core Materials into Time/Space/Process Dimensions	Technical Session 1 Unconventional Reservoirs	Technical Session 2 Cloud Computing	Technical Session 3 Full Wavefield Inversion & Velocity Model Building	Technical Session 4 Advanced Geological Concepts	Technical Session 5 Reservoir Evaluation and Monitoring: Recent Advancement	Technical Session 6 Drilling Technology – Success Cases	Technical Session 7 Artificial Lift: Performance Monitoring and New Advancements	Technical Session 8 Environment & Technologies for Sustainability	
	1530-1600 hours	Coffee Break - Exhibition Hall 1&2, Level 1 / Session ePoster 1 - Lobby, Level 3										
	1600-1730 hours *1600-1650 hours	Panel Session 2 The Role of Gas in the Energy Mix	*Ask the Expert Session 2 Brown Field Redevelopments: The Art of Finding Oil in your Own Backyard	Technical Session 9 Unconventional Production	Technical Session 10 Big Data	Technical Session 11 Seismic Imaging & Migration	Technical Session 12 Structural Systems and Trap Analysis	Technical Session 13 Advances in Reservoir Simulation	Technical Session 14 Cementing Technology Advancements	Technical Session 15 Well and Asset Management for Improved Reservoir Performance	Technical Session 16 Project Management & Facilities Discipline	
	0900-1030 hours	Panel Session 3 What's Next in Unconventionals?	Integrated Project Award Session (Award Finalist)	Technical Session 17 Unconventional Geological Reservoir Characterisation and Modelling	Technical Session 18 Data Analytics for Drilling & Completion	Technical Session 19 Advances in Time Processing	Technical Session 20 Geological Challenges	Technical Session 21 Drilling Technology for Difficult Environments	Technical Session 22 Drilling Efficiency	Technical Session 23 Corrosion and Sand Management: Monitoring and Treatments	Technical Session 24 LNG & GTL	
	1030-1100 hours	Coffee Break - Exhibition Hall 1&2, Level 1 / Session ePoster 2 - Lobby, Level 3										
Thursday, 28 March 2019	1100-1230 hours	Panel Session 4 Innovative Technologies – Improving Efficiencies in the Upstream	Integrated Project Award Session (Award Finalist)	Technical Session 25 Fracturing Materials & Monitoring	Technical Session 26 Reservoir & Production Machine Learning	Technical Session 27 Borehole Geophysics	Technical Session 28 Geophysical Challenges	Technical Session 29 Advancement and Application of IOR/EOR	Technical Session 30 Coiled Tubing Operations	Technical Session 31 Productivity Enhancement through Stimulation: New Advancements	Technical Session 32 Gas Processing	
	1230-1400 hours	Conference Luncheon - Convention Hall 2, Level 2										
	1330-1400 hours	Session ePoster 3 - Lobby, Level 3										
	1400-1530 hours	Panel Session 5 Future of Asia Pacific Gas Markets	Integrated Project Award Session (Award Finalist)	Technical Session 33 Fracturing Modelling and Design	Technical Session 34 Artificial Intelligence for the Oil & Gas Industry	Technical Session 35 Advances in Seismic Acquisition & Processing	Technical Session 36 Integration Challenges	Technical Session 37 Integrated Reservoir Management for Challenging Environments	Technical Session 38 Innovative Drilling Fluids	Technical Session 39 Production Surveillance & Monitoring	Technical Session 40 CO <sub>2</sub>	
	1530-1600 hours	Coffee Break - Exhibition Hall 1&2, Level 1 / Session ePoster 4 - Lobby, Level 3										
Friday, 29 March 2019	1600-1730 hours *1600-1650 hours	Panel Session 6 Industry 4.0: Key to the Petroleum Industry's Transformation	*Ask the Expert Session 3 Thermal Enhanced Oil Recovery – False Starts and Successes	Technical Session 41 Tight Sandstone Oil and Gas	Technical Session 42 Drilling & Completion Machine Learning	Technical Session 43 Seismic Inversion	Technical Session 44 Geological Reservoir Characterisation	Technical Session 45 Formation Evaluation: Integrated Studies and Workflows	Technical Session 46 Well Integrity	Technical Session 47 Gas Production Performance	Technical Session 48 Concept Engineering, Construction, and Commissioning (The 3Cs)	
	0900-1030 hours		IPTC Society Presidents Panel Session: Innovative Technologies and Industry Trends	Technical Session 49 Heavy Oil and Coalbed Methane	Technical Session 50 Formation Evaluation Machine Learning	Technical Session 51 Rock Physics	Technical Session 52 Integrated Reservoir Modelling	Technical Session 53 Formation Evaluation: Field Case Studies	Technical Session 54 Completion Technology	Technical Session 55 Productivity Enhancement through Stimulation: Case Studies	Technical Session 56 Risk Management	
	1030-1100 hours	Coffee Break - Exhibition Hall 1&2, Level 1 / Session ePoster 5 - Lobby, Level 3										
	1100-1230 hours	Panel Session 7 Life Cycle of Technology Development & Deployment	Project Case Study Midyan Field Development Drives Frontiers in North Saudi Arabia	Technical Session 57 Advancing in Fracturing Technology	Technical Session 58 IoT & Robotics	Technical Session 59 Geophysical Reservoir Characterisation	Technical Session 60 Integrated Reservoir Characterisation	Technical Session 61 Reservoir Management: Uncertainty Assessment	Technical Session 62 Drilling Fluids Modelling	Technical Session 63 Flow Assurance: Advancements and Best Practices	Technical Session 64 Deep Water and HP/HT	
	1230-1400 hours	Conference Luncheon - Convention Hall 2, Level 2										
1330-1400 hours	Session ePoster 6 - Lobby, Level 3											
1400-1530 hours *1400-1450 hours	Panel Session 8 Industry 4.0 - What's in it for Our Industry?	*Ask the Expert Session 4 What Really Matters When Determining the Producibility of Organic Shale Reservoirs?	Technical Session 65 Gas Hydrate			Technical Session 66 Geophysical Reservoir Modelling	Technical Session 67 Geological Reservoir Modelling	Technical Session 68 Integrated Reservoir Development and Management - Case Studies	Technical Session 69 Drilling Optimisation		Technical Session 70 Well Control	
1530-1630 hours	Closing Session											

## Sessions

	Opening and Closing		Plenary and Panel		Ask the Expert		IPTC Integrated Project Awards		Oil and Gas Project Case Study
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## Technical Sessions

	E&P Geosciences		Reservoir		Integrated Geoscience/Engineering		Drilling and Completions
	Development and Production		LNG & GTL		Technologies in Sustainability		Project Management and Facilities
			Unconventional		Industry 4.0: Cognitive Computing and Machine Systems		

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## DISTINGUISHED SPEAKERS

### CEO PLENARY SESSION

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

Tuesday, 26 March • 1045-1230 hours



Wang Yilin  
Chairman  
CNPC



Amin Nasser  
President & CEO  
Saudi Aramco



Patrick Pouyanne  
CEO  
Total



Peter Coleman  
CEO & Managing Director  
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Tor Fjaeran  
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