Held under the patronage of **His Highness Sheikh Hamdan Bin Mohammed Bin Rashid Al Maktoum** Crown Prince of Dubai, United Arab Emirates

Host Organisation







SPE Annual Technical Conference and Exhibition (ATCE)

The New Oil and Gas Journey: Agility, Innovation, and Value Creation

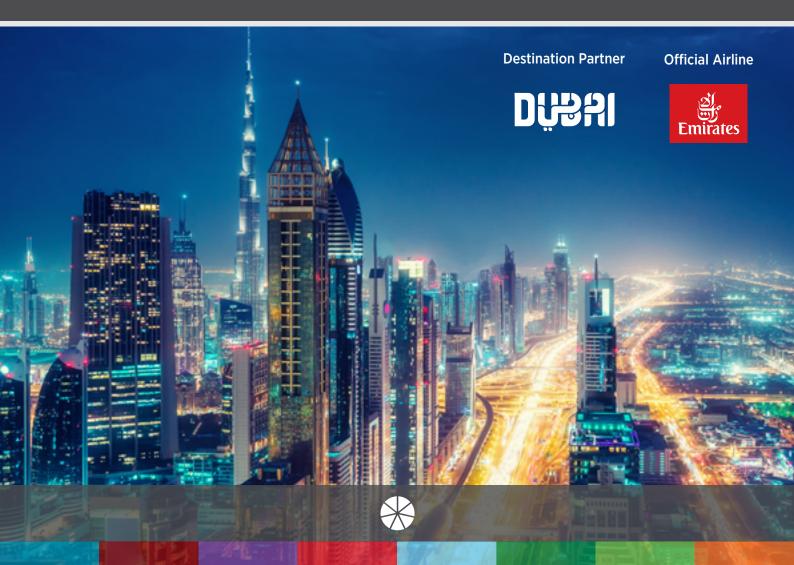
21-23 September 2021

Dubai World Trade Centre United Arab Emirates

www.atce.org

Conference Preview

Register today for in-person or virtual attendance





Ali Al Jarwan ATCE Conference General Chair CEO **Dragon Oil**

The most vibrant, novel, and futuristic city of the world, Dubai, is once again proudly hosting the SPE Annual Technical Conference and Exhibition (ATCE), a place where progressive thinking turns into unique and innovative technologies benefitting both regional and global companies, who are determined to continue serving humanity with net-zero impact on our precious environment. ATCE in Dubai is positioned to attract the best in the oil and gas industry so don't miss this unique opportunity where you will be able to witness, discuss, and benefit from this world-class event and at the same time visit the EXPO 2020 with plenty of unforgettable attractions. See you at ATCE 2021.

About ATCE 2021

Founded in 1924, ATCE is SPE's annual meeting of members and features groundbreaking papers and special technical events designed to accelerate the application of innovations in every technical discipline. Attendees come from around the world to keep up with the latest technologies, industry best practices, and new product launches.

ATCE is primarily for the technical education of its members and to provide a forum to discuss the technical application of the equipment and services displayed. The technical sessions, presented concurrently with the exhibition, focus on all phases of petroleum production.

Whether your goal is to cultivate relationships or spotlight your brand on the industry's grandest stage, stake your presence where the industry's present and future torchbearers will come together-at ATCE 2021.







Committees

Conference General Chair

Ali Al Jarwan Dragon Oil

Executive Advisory Committee Chair

Shauna Noonan 2020 SPE President **Occidental Petroleum**

Programme Committee Chair

Fareed Abdulla AlHashmi Dragon Oil

Executive Advisory Committee

Sharif Abadir TAQA

Ibrahim Al Alawi **AlMansoori Specialized** Engineering

Abdulaziz O. Al-Kaabi **King Fahd University of Petroleum and Minerals**

Qasem Al Kavoumi **Formerly ADNOC**

Dean Bell Weatherford

Kamel Ben-Naceur Nomad Energy Consulting

Steve Barton **NOV Reedhycalog**

Khalid bin Hadi **Siemens Energy**

Thomas Burke Valaris

Toshikazu Ebato Japan Oil, Gas and Metals National Corporation (JOGMEC)

Sherif Foda **National Energy Services Reunited (NESR)**

Zaher Ibrahim Baker Hughes

Mars M. Khasanov Gazprom Neft PJSC

Tarek Rizk Schlumberger

Programme Specialty Coordinators

Drilling Joe Shine Saudi Aramco

Completions Michael Hecker **ExxonMobil**

Safety, Health, Environment, and Sustainability Waddah Ghanem **Emirates National Oil Company**

Data Science and **Engineering Analytics** Luigi Saputelli ADNOC

Projects, Facilities, and Construction Shirish Patil **King Fahd University**

Register today on atce.org for in-person or virtual attendance

Register today on atce.org for in-person or virtual attendance

Executive Advisory Committee Vice Chair

Tom Blasingame 2021 SPE President **Texas A&M University**

Programme Committee Vice Chair

Andrei Popa Chevron

> Leonardo Stefani Eni Phongsthorn Thavisin PTT Exploration and Production **Public Company Limited (PTTEP)** Naji A. Umair

Saudi Aramco

Laurent Vivier Total

Hisham Zubari **National Oil and Gas Authority** (NOGA)

Production and Operations Hassan Karimi Schlumberger

Reservoir Fred Santarelli **Geomec AS**

Programme Committee

Drilling Joe Shine Saudi Aramco

Well Completions Albert McSpadden **Altus Well Experts**

Well Stimulation Reinhard Pongratz OMV

Projects, Facilities, and Construction Shirish Patil **King Fahd University** of Petroleum and Minerals

Safety, Health, Environment, and Sustainability Waddah Ghanem **Emirates National Oil Company**

Regional Programme Committee

Afaf AlHashemi **Dragon Oil**

Qasem Al Kayoumi **Formerly ADNOC**

Dhafer Al Shehri **King Fahd University of Petroleum and Minerals**

Mohammed Badri MAB Energy Consultancy

Khairul Arifin Dolah **PETRONAS Carigali Sdn Bhd**

Zeid M. Ghareeb Saudi Aramco

Management John Aoun **Seven Generations**

> Formulation Evaluation Luiz Amado BHP

Reservoir Geology and Geophysics Eirik Stueland OMV

Education, Training, and Professionalism Bladislav Brkic University of Zagreb

Digital Energy Emmanuel Udofia **Suneses Energy Limited**

Michael Gunningham

(Subsurface Consultancy)

Francisco E. Fragachan

SGS Nederland BV

Lara Fatheldin

Weatherford

IBM

Yahya Mahmoud

Shahab Mohaghegh

West Virginia University/

Intelligent Solutions, Inc.

Dragon Oil

Petroleum Advanced Analytics Peter Tyberg Calcep

Well Operations Jing Kueh PETRONAS

4

Production Monitoring and Control Merey Shinikulova Shell

Recovery Mechanisms and Flow in Porous Media John Ratulowski Schlumberger

Reservoir Engineering Faruk Omer Alpak Shell

Reservoir Monitoring Reza Rastegar **Elk Petroleum**

Sponsors and Supporters

Thank you to the following Sponsors and Supporters for their generous contribution. Host Organisation Dragon Oil President's Luncheon Sponsor **Dil SER** HALLIBURTON 21 September Startup Village **Coffee Breaks Sponsor Gold Sponsor** TechnipFMC **Associate Sponsors** nanoActiv **Destinnation Partner Official Airline** 2021 প্র DURAI Emirates

Matt Regan **TDE Group Limited**

Lamia Rouis **Dragon Oil**

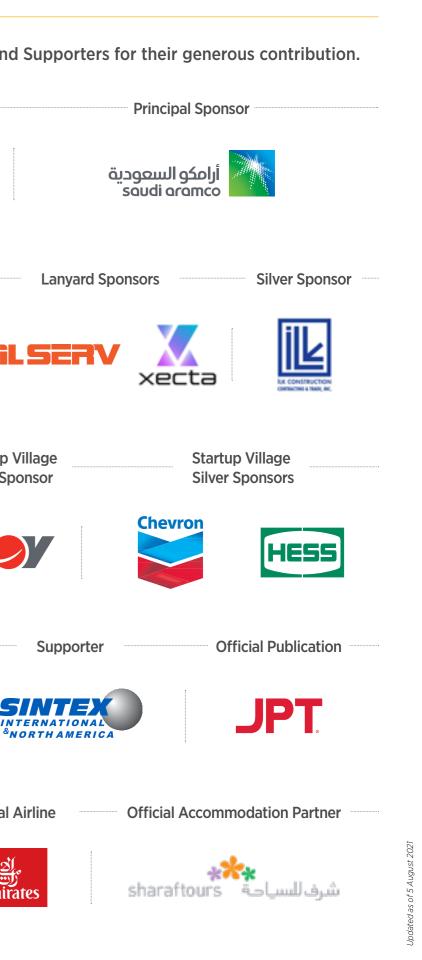
Hassan Saleh IBM

Anupam Tiwari **ExxonMobil**

Anton Yakovlev Tieto

German Yusti **BP Middle East**

Register today on atce.org for in-person or virtual attendance



Conference Schedule—UTC+4 (Updated as of 5 August 2021)

	Sheikh Rashid Hall A	Sheikh Rashid Hall D	Al Ain K	Dubai A+B	Al Ain F	Al Ain J	Dubai C+D	Abu Dhabi A	Dubai E+F	Al Ain B	Al Ain A	Abu Dhabi B	Sheikh Rashid Hall B	Sheikh Rashid Hall C
0800-0940			Session 1: Project, Facility, and Construction General Topics	Session 2: Advancements in Well Diagnostics and Flow Assurance	Session 3: Novel Deployments of Old Artificial Lift Techniques to Address Non Standard Challenges	Session 4: Hydraulic Fracturing Design, Monitoring, and Evaluation	Session 5: Zonal Isolation and Fluids	Session 6: Unconventional Performance Optimisation by Data Analytics	Session 7: Evaluation and Planning Tactics: Reserves and More	Session 8: Formation Evaluation of Unconventional Reservoirs	Session 9: New Developments in Gas EOR	Session 10: Advancements in Transient Analysis and Well Forecasting	Special Session 1: How to Successfully Leverage D&I to Increase Professional and Organisational Effectiveness	Special Session 2: Hot Rocks, Cool Technology— A Geothermal Session
0830-0930	Opening Ceremony (Sheikh Rashid Halls E+F)													
0930-1700	1		E	xhibition Inauguration (0930-10.	30)						Exhibition			
0930-1010														
1030-1200														
1200-1400														
1400-1700	Panel Session 1: Transitioning to Net Zero: Governments and Corporations (1330-1500)	Regional Special Session 1: New Advances in Coping with Geoscience and Exploration Challenges (1330-1500)	Session 11: Reservoir Geology and Geophysics—Well Scale	Session 12: Flow Measurement and Monitoring Using Advanced Techniques	Session 13: Artificial Lift Hub. New Technologies and Practices for the New Decade	Session 14: State of the Art Advances in Well Intervention Technology	Session 15: Well Construction Advancements	Session 16: Stimulation Case Histories	Session 17: Strategy, Insight, and Forward Thinking Ideas	Session 18: Data Science, Assimilation, and Integration for Subsurface Insights	Session 19: Mobility and Conformance Control	Session 20: Reservoir Simulation and Characterisation	Special Session 3: What Challenges are on the Horizon for Production and Facilities? Electrification and Automation Lead an Abundance of Change!	Special Session 4: Next Generation of Digital Solutions
1515-1545							Knowledge Sharing ePost	er Sessions and Coffee Break						
1700-1800				1			Welcom	e Reception						
0830-1155	Panel 2: Post Pandemic Business Models and Strategies (0830-1000)	Regional Special Session 2: Digital Transformation (0830–1000)	Session 21: Field Development Strategies and Lessons Learned	Session 22: Artificial Intelligence in Digital Energy	Session 23: Novel Technologies in Reservoir Monitoring	Session 24: Sand Control—A Broad Range of Solutions	Session 25: Drilling Optimisation	Session 26: Acid Stimulation	Session 27: Reservoir Geology and Geophysics—Reservoir Scale	Session 28: Realising the Characteristics of Formation Rocks and Fluids	Session 29: Hybrid EOR Using Nano and Micro Particles	Session 30: Enhanced Oil Recovery	Special Session 5: Finding New Horizons in the Energy Transition	Special Session 6: Upscaling Geothermal by Leveraging Oil and Gas Innovation
0930-1700					· ·		Ext	hibition						
1010-1100						K	nowledge Sharing ePoster Ses	sions (1010–1040) and Coffee Bre	ak					
1100-1230	Panel 3: Accelerating the Uptake of New Technology ApplicationsRegional Special Session 3: Carbon Capture and Storage: Is this the Future of Oil and Gas?													
1200-1400							Delega	ate Lunch	1	1	1			
	Panel 4:										Session 39:			
1400-1700	Funding Future Projects: Access to Capital, Risk Management (1400-1530)	Regional Special Session 4: Digitally Enabled Future Workforce (1400–1530)	Session 31: Flow Assurance, Corrosion, Erosion, Integrity and Multiphase Flow	Session 32: Developments and Solutions in Artificial Lift Systems	Session 33: Reservoir Monitoring Case Histories	Session 34: Downhole Flow Control Devices	Session 35: Well Integrity and Assurance	Session 36: Fracture Diagnostics Modelling	Session 37: Management Tools and Novel Approaches	Session 38: Machine Learning for Reservoir Characterisation and Management	Enhanced Understanding and Development of Unconventional/Shale Resources	Session 40: New Developments in Reservoir Modelling and Engineering	Special Session 7: Development Potential of Conventional Tight-Oil Resources	Special Session 8: COVID-19 and Operational Safety: Life at the Sharp End
1400-1700	Access to Capital, Risk Management	Digitally Enabled Future Workforce	Flow Assurance, Corrosion, Erosion, Integrity and	Developments and Solutions	Reservoir Monitoring	Downhole Flow Control Devices	Well Integrity and Assurance	Fracture Diagnostics	Management Tools and Novel Approaches	Machine Learning for Reservoir Characterisation	Enhanced Understanding and Development of Unconventional/Shale	New Developments in Reservoir Modelling	Development Potential of Conventional	COVID-19 and Operational Safety:
	Access to Capital, Risk Management (1400-1530)	Digitally Enabled Future Workforce	Flow Assurance, Corrosion, Erosion, Integrity and	Developments and Solutions	Reservoir Monitoring	Downhole Flow Control Devices	Well Integrity and Assurance	Fracture Diagnostics Modelling	Management Tools and Novel Approaches	Machine Learning for Reservoir Characterisation	Enhanced Understanding and Development of Unconventional/Shale	New Developments in Reservoir Modelling	Development Potential of Conventional	COVID-19 and Operational Safety:
1515-1600	Access to Capital, Risk Management (1400-1530)	Digitally Enabled Future Workforce	Flow Assurance, Corrosion, Erosion, Integrity and	Developments and Solutions	Reservoir Monitoring	Downhole Flow Control Devices	Well Integrity and Assurance nowledge Sharing ePoster Ses Awards Banquet (Hilto	Fracture Diagnostics Modelling isions (1515-1545) and Coffee Brea	Management Tools and Novel Approaches	Machine Learning for Reservoir Characterisation	Enhanced Understanding and Development of Unconventional/Shale	New Developments in Reservoir Modelling	Development Potential of Conventional	COVID-19 and Operational Safety:
1515-1600 1830-2200	Access to Capital, Risk Management (1400-1530)	Digitally Enabled Future Workforce	Flow Assurance, Corrosion, Erosion, Integrity and	Developments and Solutions	Reservoir Monitoring	Downhole Flow Control Devices	Well Integrity and Assurance nowledge Sharing ePoster Ses Awards Banquet (Hilto	Fracture Diagnostics Modelling sions (1515–1545) and Coffee Brea	Management Tools and Novel Approaches	Machine Learning for Reservoir Characterisation	Enhanced Understanding and Development of Unconventional/Shale	New Developments in Reservoir Modelling	Development Potential of Conventional	COVID-19 and Operational Safety:
1515-1600 1830-2200 0800-1400	Access to Capital, Risk Management (1400-1530) Panel 5: Energy Mix Collaboration (0900-1030)	Digitally Enabled Future Workforce (1400–1530) Regional Special Session 5: Innovative Implementations of Technology (Unconventional Technology)	Flow Assurance, Corrosion, Erosion, Integrity and Multiphase Flow Session 41: Future Leaders' Challenges and	Developments and Solutions in Artificial Lift Systems Session 42: Digital Energy	Reservoir Monitoring Case Histories Session 43: Well Intervention	Downhole Flow Control Devices K Session 44: Completion Case Histories: A Trip Around	Well Integrity and Assurance nowledge Sharing ePoster Ses Awards Banquet (Hilto Energy4me STEM Teachers' W Session 45: Big Data and Risk Management	Fracture Diagnostics Modelling sions (1515–1545) and Coffee Brea on Dubai Al Habtoor City) forkshop (Sheikh Maktoum Hall B Session 46: Proppant Placement and	Management Tools and Novel Approaches ak) Session 47: Environment and	Machine Learning for Reservoir Characterisation and Management Session 48: New Technologies in	Enhanced Understanding and Development of Unconventional/Shale Resources Session 49: Recent Advances	New Developments in Reservoir Modelling and Engineering Session 50: Applied Reservoir	Development Potential of Conventional Tight-Oil Resources Special Session 9: Limitations and Challenges of Using	COVID-19 and Operational Safety: Life at the Sharp End Special Session 10: How Can We Define a Holistic Set of Common Industry Well Parameters for Reservoir Sections that Drive
1515-1600 1830-2200 0800-1400 0830-1155 0930-1700 1010-1100	Access to Capital, Risk Management (1400-1530) Panel 5: Energy Mix Collaboration (0900-1030)	Digitally Enabled Future Workforce (1400–1530) Regional Special Session 5: Innovative Implementations of Technology (Unconventional Technology)	Flow Assurance, Corrosion, Erosion, Integrity and Multiphase Flow Session 41: Future Leaders' Challenges and	Developments and Solutions in Artificial Lift Systems Session 42: Digital Energy	Reservoir Monitoring Case Histories Session 43: Well Intervention	Downhole Flow Control Devices K Session 44: Completion Case Histories: A Trip Around the World	Well Integrity and Assurance nowledge Sharing ePoster Ses <u>Awards Banquet (Hilto</u> Energy4me STEM Teachers' W Session 45: Big Data and Risk Management Ext	Fracture Diagnostics Modelling sions (1515–1545) and Coffee Breas on Dubai Al Habtoor City) forkshop (Sheikh Maktoum Hall B Session 46: Proppant Placement and Fracture Conductivity	Management Tools and Novel Approaches	Machine Learning for Reservoir Characterisation and Management Session 48: New Technologies in	Enhanced Understanding and Development of Unconventional/Shale Resources Session 49: Recent Advances	New Developments in Reservoir Modelling and Engineering Session 50: Applied Reservoir	Development Potential of Conventional Tight-Oil Resources Special Session 9: Limitations and Challenges of Using	COVID-19 and Operational Safety: Life at the Sharp End Special Session 10: How Can We Define a Holistic Set of Common Industry Well Parameters for Reservoir Sections that Drive
1515-1600 1830-2200 0800-1400 0830-1155 0930-1700 1010-1100 1200-1330	Access to Capital, Risk Management (1400-1530) Panel 5: Energy Mix Collaboration (0900-1030)	Digitally Enabled Future Workforce (1400–1530) Regional Special Session 5: Innovative Implementations of Technology (Unconventional Technology)	Flow Assurance, Corrosion, Erosion, Integrity and Multiphase Flow Session 41: Future Leaders' Challenges and	Developments and Solutions in Artificial Lift Systems Session 42: Digital Energy	Reservoir Monitoring Case Histories Session 43: Well Intervention	Downhole Flow Control Devices K Session 44: Completion Case Histories: A Trip Around the World	Well Integrity and Assurance nowledge Sharing ePoster Ses Awards Banquet (Hilto Energy4me STEM Teachers' W Session 45: Big Data and Risk Management Ext nowledge Sharing ePoster Ses President's Lunched	Fracture Diagnostics Modelling sions (1515–1545) and Coffee Breas on Dubai Al Habtoor City) orkshop (Sheikh Maktoum Hall B Session 46: Proppant Placement and Fracture Conductivity hibition sions (1010–1040) and Coffee Breas on (Sheikh Maktoum D)	Management Tools and Novel Approaches	Machine Learning for Reservoir Characterisation and Management Session 48: New Technologies in	Enhanced Understanding and Development of Unconventional/Shale Resources Session 49: Recent Advances	New Developments in Reservoir Modelling and Engineering Session 50: Applied Reservoir	Development Potential of Conventional Tight-Oil Resources Special Session 9: Limitations and Challenges of Using	COVID-19 and Operational Safety: Life at the Sharp End Special Session 10: How Can We Define a Holistic Set of Common Industry Well Parameters for Reservoir Sections that Drive
1515-1600 1830-2200 0800-1400 0830-1155 0930-1700 1010-1100	Access to Capital, Risk Management (1400-1530) Panel 5: Energy Mix Collaboration (0900-1030)	Digitally Enabled Future Workforce (1400–1530) Regional Special Session 5: Innovative Implementations of Technology (Unconventional Technology)	Flow Assurance, Corrosion, Erosion, Integrity and Multiphase Flow Session 41: Future Leaders' Challenges and Educational Road Map	Developments and Solutions in Artificial Lift Systems Session 42: Digital Energy	Reservoir Monitoring Case Histories Session 43: Well Intervention	Downhole Flow Control Devices K Session 44: Completion Case Histories: A Trip Around the World	Well Integrity and Assurance nowledge Sharing ePoster Ses Awards Banquet (Hilto Energy4me STEM Teachers' W Session 45: Big Data and Risk Management Ext nowledge Sharing ePoster Ses President's Lunched	Fracture Diagnostics Modelling sisions (1515–1545) and Coffee Breas on Dubai Al Habtoor City) forkshop (Sheikh Maktoum Hall B Session 46: Proppant Placement and Fracture Conductivity	Management Tools and Novel Approaches	Machine Learning for Reservoir Characterisation and Management Session 48: New Technologies in	Enhanced Understanding and Development of Unconventional/Shale Resources Session 49: Recent Advances in Chemical EOR	New Developments in Reservoir Modelling and Engineering Session 50: Applied Reservoir	Development Potential of Conventional Tight-Oil Resources Special Session 9: Limitations and Challenges of Using	COVID-19 and Operational Safety: Life at the Sharp End Special Session 10: How Can We Define a Holistic Set of Common Industry Well Parameters for Reservoir Sections that Drive
1515-1600 1830-2200 0800-1400 0830-1155 0930-1700 1010-1100 1200-1330	Access to Capital, Risk Management (1400-1530) Panel 5: Energy Mix Collaboration (0900-1030)	Digitally Enabled Future Workforce (1400–1530) Regional Special Session 5: Innovative Implementations of Technology (Unconventional Technology)	Flow Assurance, Corrosion, Erosion, Integrity and Multiphase Flow Session 41: Future Leaders' Challenges and	Developments and Solutions in Artificial Lift Systems Session 42: Digital Energy	Reservoir Monitoring Case Histories Session 43: Well Intervention	Downhole Flow Control Devices K Session 44: Completion Case Histories: A Trip Around the World	Well Integrity and Assurance nowledge Sharing ePoster Ses Awards Banquet (Hilto Energy4me STEM Teachers' W Session 45: Big Data and Risk Management Ext nowledge Sharing ePoster Ses President's Lunched	Fracture Diagnostics Modelling sions (1515–1545) and Coffee Breas on Dubai Al Habtoor City) orkshop (Sheikh Maktoum Hall B Session 46: Proppant Placement and Fracture Conductivity hibition sions (1010–1040) and Coffee Breas on (Sheikh Maktoum D)	Management Tools and Novel Approaches	Machine Learning for Reservoir Characterisation and Management Session 48: New Technologies in	Enhanced Understanding and Development of Unconventional/Shale Resources Session 49: Recent Advances	New Developments in Reservoir Modelling and Engineering Session 50: Applied Reservoir	Development Potential of Conventional Tight-Oil Resources Special Session 9: Limitations and Challenges of Using	COVID-19 and Operational Safety: Life at the Sharp End Special Session 10: How Can We Define a Holistic Set of Common Industry Well Parameters for Reservoir Sections that Drive

Opening Ceremony

Tuesday, 21 September | 0830-0930 (UTC+4)

Opening Keynote



H.E. Saeed Mohammed Ahmad Al Tayer Chairman, Dragon Oil Managing Director and CEO **Dubai Electricity and Water Authority (DEWA)**

Welcome Remarks



Ali Al Jarwan **ATCE** Conference General Chair CEO **Dragon Oil**



Sheikh Rashid Halls E&F

Tom Blasingame 2021 SPE President **Texas A&M University** **CEO** Plenary Session

7

CEO Plenary Session:

The New Oil and Gas Journey: Agility, Innovation, and Value Creation

Tuesday, 21 September | 1030-1200 (UTC+4)

Moderator



Ali Al Jarwan CEO **Dragon Oil**

Speakers

Omar Obaid Al Nasri CEO **ADNOC Onshore**



Olivier Le Peuch CEO Schlumberger

GET **INVOLVED.** GET CONNECTED. GET **INFORMED.**

Who We Are

SPE is a not-for-profit professional association supporting more than 140,600 members in 144 countries.

Why Join or Renew

Connect with the E&P industry's brightest minds through SPE's global network of knowledge for every stage of your career.

What You Get

Access to SPE's vast collection of technical resources and networking channels to assist with your challenges.

JOIN OR RENEW TODAY!

Join our worldwide membership today and receive member registration rates for SPE events. Visit go.spe.org/joinSPE.



f 🛅 💙 🕨 🛅

Register today on atce.org for in-person or virtual attendance

Sheikh Rashid Halls E&F



Arnaud Breuillac President E&P **TotalEnergies**



Claudio Descalzi CEO Eni



Vadim Yakovlev Deputy Chairman of the Management Board and Deputy CEO for Upstream **Gazprom Neft PJSC**

Panel Session 1:

Transitioning to Net Zero: Governments and Corporations

Tuesday, 21 September | 1330–1500 (UTC+4)

Moderator

Speakers





Vakulenko Sergey

Head of Strategy and

Gazprom Neft PJSC

Vladimirovich

Innovations

Hisham Zubairi Senior Advisor **National Oil and Gas** BP Authority (NOGA)



Mohammed Al Nakhi Joint Venture Director



Kamel Ben-Naceur 2022 SPE President Nomadia Energy



Sheikh Rashid Hall A

John MacArthur Group Climate Change Officer ADNOC

9

Panel Session 2:

Post Pandemic Business Models and Strategies

Wednesday, 22 September | 0830-1000 (UTC+4)

Moderator



Zeid M. Ghareeb Saudi Aramco



Speakers

Maurizio Rampoldi **Technical Director** and Deputy Managing Director Eni Abu Dhabi









Depinder Sandhu CTO Weatherford









Pascal Siegwart **VP** Carbon Markets and Economy **TotalEnergies**

Sheikh Rashid Hall A



Jamie Ingram Senior Editor **Middle East Economic Survey** (MEES)



Ziad Jeha Managing Director Saudi Arabia and Bahrain Schlumberger

Need to Recharge? Connect at the SPE Pavilion

Evolve and Thrive with SPE. Renew your 2022 membership at the SPE Pavilion and get a free gift!

Staff to help you join/renew or answer questions

Explore SPE's vast collection of technical resources

Free professional headshots

Experts sharing industry knowledge in the SPE Live Area

Highlights of Start-Up Village Award Ceremony being aired

Visit SPE Pavilion Booth #500

Panel Session 3:

Accelerating the Uptake of New Technology Applications

Wednesday, 22 September | 1100–1230 (UTC+4)



Ibrahim Al-Alawi Deputy CEO AlMansoori **Specialized** Engineering



Samer Al Ashgar General Manager Characterisation and Field Development Geosciences Saudi Aramco



Ben Charbit Director Marketing and Strategy Schlumberger



Sheikh Rashid Hall A

Alan Nelson CTO ADNOC



11

Panel Session 4:

Funding Future Projects: Access to Capital, Risk Management

Wednesday, 22 September | 1400-1530 (UTC+4)

Moderator



Kamel Ben-Naceur

2022 SPE President

Nomadia Energy



Sherif Foda Chairman and CEO NESR

Speakers

Panel Session 5: **Energy Mix Collaboration**

Thursday, 23 September | 0900-1030 (UTC+4)

Moderator

Speakers



Fareed Abdulla

Operating Assets

AlHashmi

Dragon Oil

COO



H.E. Ahmad Al-Muhairbi Secretary General **Dubai Supreme Council of Energy**

Tony Pink CTO **NOV Wellbore** Technologies



Satvam Privadarshy Managing Director—India Center Technology Fellow and Chief Data Scientist Halliburton



2022 Evolve and Thrive

Renew your SPE membership today!

SPE provides unparalleled insights, shared expertise, life-long learning and community strength to fuel the success of our members and the future of the industry.

SPE looks forward to serving you in 2022! Renew today at go.spe.org/renewal* or on the SPE International App.

*If you are a Life Member or have already renewed your membership for 2022, thank you for your continued membership in SPE.



Register today on atce.org for in-person or virtual attendance



Sheikh Rashid Hall A



Mazen Matar Managing Director ASRY



Nicolas Thevenot Managing Director **APICORP**

Sheikh Rashid Hall A



Atul Arya Senior Vice President and Chief Energy Strategist **IHS Markit**



Etienne Anglès d'Auriac VP Climate Strategy **TotalEnergies**

Special Events

13 September | 1800–1930 (UTC+4) | Virtual How to Write An Abstract

14 September | 1800–1930 (UTC+4) | Virtual How to Write A Technical Paper

SPE is committed to helping authors submit their best papers to conferences and journals, and is offering FREE sessions on how to write an abstract and how to write a good technical paper. The sessions will cover basic methods on how to effectively construct your abstract and technical paper.



20–23 September Virtual

Young Member Activities

ATCE offers several events specifically for students and Young Professionals (YPs). During the conference, take advantage of learning opportunities and networking events designed to help students launch their E&P career and YPs advance their professional goals. **Visit <u>atce.org</u> to view the full schedule**.



Register today on atce.org for in-person or virtual attendance



13–14 September | 1700–2045 (UTC+4) Virtual

Startup Village

SPE, in partnership with the Rice Alliance, is hosting theStartup Village showcasing emerging energy companies. Eligible companies will compete for prize money, followed by afternoon discussions about building startups.



21-23 September | 0800-1700 (UTC+4) Al Multaqua Ballroom, Dubai World Trade Centre 25-Year Club and SPE Member Lounge

SPE Member Lounge is a dedicated business lounge for SPE members. The lounge provides an exclusive environment for members to convene, network, and collaborate with senior leaders and influencers like the Century Club Members, SPE Board Officers and Directors, Honorary and Distinguished Members, SPE International Award Winners, and Distinguished Lecturers. The 25-Year Club is reserved for those with 25 years or more of continuous SPE membership.

Special Events



23 September | 0800–1400 (UTC+4) Sheikh Maktoum Hall B, Dubai World Trade Centre Energy4me Teachers Workshop

SPE's Energy4me programme values the role of teachers and believes in the importance of giving teachers the tools they need to comfortably teach students energy concepts. Hands-on activities at teacher workshops provide educators with interactive, age-appropriate experiments using basic household items that illustrate energy concepts.



Register today on atce.org for in-person or virtual attendance

13

22 September | 1830 onwards (UTC+4) Hilton Dubai Al Habtoor City Awards Banquet

Join us to celebrate the noteworthy accomplishments of SPE members and the oil and gas industry. The Annual Awards Banquet will recognise the significant contributions of our members to the industry, to SPE, and to the greater community.



23 September | 1200–1330 (UTC+4) Sheikh Maktoum Hall D, Dubai World Trade Centre **President's Luncheon**

ATCE wraps up with the Annual Meeting of Members at the President's Luncheon. A favorite tradition, the luncheon showcases 2021 SPE President Tom Blasingame's presentation on new achievements at SPE and upcoming initiatives. Notable volunteers and outstanding SPE Sections will also be recognised. 2022 SPE President Kamel Ben-Naceur will receive the presidential gavel and officially begin his term.



ASPIRING EXCELLENCE THROUGH INNOVATION

Seminars

Seminars

SPE seminars help professionals improve their best practices in a dynamic industry. SPE work develop seminars covering a wide range of ind

Participants receive 0.8 Continuing Education

Application of Machine Learning in the Unconv **Reservoir Development**

Nancy Chen, Associate Professor, Department of Chen University of Calgary 12 September 2021 | Virtual

Production Forecasts and Reserves Estimates Resources

W. John Lee, DVG Endowed Chair, Petroleum Enginee 13-14 September 2021 | Virtual

A Proactive Approach to Ensure Well Integrity **Operation of Wells**

Salim Taoutaou, Founder and Managing Director, TCOI 15 September 2021 | Virtual

Process Safety for E&P Operations

Mark Hansen, Director, Process Safety, Contek Solution 16 September 2021 | Virtual

Reservoir Engineering Applications of Advanc Machine Learning Algorithms

Ashwin Venkatraman, Founder and CEO, Resermine In 19 September 2021 | Hilton Dubai Al Habtoor City

Predictive Maintenance of a Fracking Pump with Machine Learning

Flavio Pol, Senior Application Engineer, CES 20 September 2021 | Hilton Dubai Al Habtoor City

Register today on atce.org for in-person or virtual attendance



expertise and stay up-to-date on the s with recognised experts in their fields t ustry topics.	0
Jnits (CEUs) for each seminar.	
ventional Tight/Shale	
iical and Petroleum Engineering,	
in Unconventional	
ing, Texas A&M University	
During the Construction and	
S LLC	
is LLC	
ed Data Analytics and	
:	
• • • • • • • • • • • • • • • • • • • •	••

Exhibitors

3x Engineering Abaco Drilling Technologies Advanced Resources Intl, Inc. Ametek Chandler Engineering Aventus Oil Tools Manufacturing LLC Baker Hughes Belsim Engineering Calsep Carbon Connect International **Clariant Corporation** Colorado School of Mines Computer Modelling Group DarkVision Dragon Oil E3 - Energy Events Experts EOR Alliance Eurasia Drilling Company Finoric Fishbones FracTech Laboratories Gateway Ventures FZC Gazprom Neft

Geolog Global Gravity ASP GOWell Oilfield Technology H&P Technologies Innowell Solutions INT Interwell Italmatch Chemicals Kandle Kappa Engineering KSWC MSCS Gulf Shipping LLC NSI Technologies **Oilfield Data Services OiLSERV** Pegasus Vertex Petroleum Experts Petroleum Technology Company Petrotel Inc. **RESI - Responsible Energy Service** International **Rock Flow Dynamics** Rysgally Ussat

Schlumberger Seal-Tite International Seismos Inc. Select Industries Silverwell Energy Sintex International TDE Group Texas A&M University at Qatar Tomax AS Tubular Perforating University of Oklahoma MPGE Vindum Engineering Wellpro Group Welltec Xecta

Discounted Flights and Hotels

Take Advantage of these Special Offers Today!



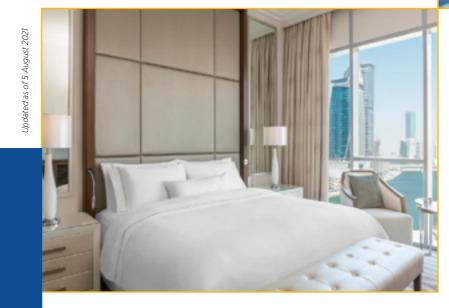
Official Airline

We're pleased to inform you that Emirates Airline has proudly been selected as the partner airline for ATCE 2021. Emirates has excellent connections to all of the six continents via Dubai with more than 140 current destinations worldwide-and an expanding route network all the time.

Use the Promotion Code to get discounted fares:

Promotion Code: EVE6TCS Travel Validity: 14-28 September www.emirates.com





For further information about sponsorship or exhibiting at ATCE 2021, please contact:

- Sylvia Ansara, Senior Manager, Sales and Exhibits, sansara@spe.org, +971.4.457.5851
- Zunaid Jooma, Sales Manager, zjooma@spe.org, +971.50.574.3805
- Samir Hassan, Sales Manager, shassan@spe.org, +971.55.894.5446

Register today on atce.org for in-person or virtual attendance

17

Register today on atce.org for in-person or virtual attendance

Destination Partner

Welcome to Dubai, where anything is possible.

Dubai prides itself on delivering experiences that exceed expectations. The city is home to recordbreaking attractions and unique experiences, and it is by this benchmark that Dubai sets its standards of service. At every touchpoint visitors can expect world-class experiences from the time they enter the city until they leave, across hotels, restaurants, spas, shopping malls and various tourist activities.





Official Accommodation Partner

Sharaf Tours has secured preferential rates at 25 hotels in Dubai specifically for ATCE attendees. Sharaf Tours can also arrange bespoke transportation, restaurant bookings, and city tours.

Please contact Sharaf Tours directly to benefit from the preferential rates and quote ATCE 2021.

Visit: atce.sharaftours.com Contact: Narayanan Chakkrapani narayan@sharaftours.com +971.52.690.4566

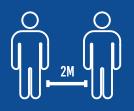
شفللساحة sharaftours

Your Safety is Our Priority

The health and safety of all ATCE participants on-site will be our highest priority. From the moment you arrive at the airport to when you check in to your hotel, Dubai is fully committed to following all guidelines and measures to keep you safe. The UAE currently has one of the highest vaccination rates administered per 100 people.



Wearing a face mask will be mandatory on-site.



Capacity will be limited in session rooms, F&B halls, and on the exhibition floor.



Sanitisation stations will be accessible throughout the venue.



Attendees are required to print their badge at home.

Register on atce.org for in-person or virtual attendance

REGISTER TODAY!





Society of Petroleum Engineers

Society of Petroleum Engineers PO Box 215959 Dubai United Arab Emirates T: +971.4.457.5800 E: atcereg@spe.org