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

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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.

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Dragon Oil

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Register today on atce.org for in-person or virtual attendance
| Time   | Session 1: Translating to Net Zero: Governments and Corporations (10:00-10:30) | Regional Special Session 1: New Advances in Coping with Geoscientific Challenges (10:30-11:00) | Panel Session 1: Digital Transformation and Geophysics—Well Scale (11:00-11:30) | Panel Session 1: Field Development Strategies and Learning (11:30-12:00) | Panel Session 1: Artificial Intelligence in Digital Energy (12:00-12:30) | Panel Session 1: Sand Control in a Hybrid Range of Solutions (12:30-13:00) | Panel Session 1: Drilling Optimization (13:00-13:30) | Panel Session 1: A Holistic Brewing Approach to Artificial Lift Systems and Fluids (13:30-14:00) | Panel Session 1: Reservoir Geology and Geophysics—Reservoir Code (14:00-14:30) | Panel Session 1: Reservoir Characterisation and Development of Unconventional Shale Reservoirs (14:30-15:00) | Panel Session 1: Enhanced Understanding and Development of Unconventional Shale Resources (15:00-15:30) | Panel Session 1: New Developments in Reservoir Monitoring, Analysis and Management (15:30-16:00) | Panel Session 1: Advanced Formation Evaluation and Wellbore Surveillance (16:00-16:30) | Panel Session 1: Understanding the Fundamental Aspects of Conformance Control (16:30-17:00) | Panel Session 1: How Can We Define a Holistic Set of Common Requirements that Drive—Life Cycle? (17:00-17:30) |}

**Panel Session 1: Digital Transformation and Geophysics—Well Scale**

- **Session 1:** Ray V. Jones, Saudi Aramco<br>
  **Title:** Overview of the New Saudi Aramco: A Digital Transformation Journey for a Resilient Future<br>
- **Session 2:** Ahmed S. Al-Rabadi, Saudi Aramco<br>
  **Title:** Digital Transformation and Geophysics—Well Scale

**Panel Session 2: Field Development Strategies and Learning**

- **Session 3:** Khaled Al-Mabrouk, Saudi Aramco<br>
  **Title:** Field Development Strategies<br>
- **Session 4:** Hisham M. Al-Maadeed, Saudi Aramco<br>
  **Title:** Artificial Intelligence in Digital Energy

**Panel Session 3: Artificial Intelligence in Digital Energy**

- **Session 5:** Amr Al-Abed, Saudi Aramco<br>
  **Title:** Digital Transformation and Geophysics—Well Scale
- **Session 6:** Fahd Al-Maadeed, Saudi Aramco<br>
  **Title:** Artificial Intelligence in Digital Energy

**Panel Session 4: Sand Control in a Hybrid Range of Solutions**

- **Session 7:** Yasser Al-Maadeed, Saudi Aramco<br>
  **Title:** Sand Control in a Hybrid Range of Solutions
- **Session 8:** Ali Al-Maadeed, Saudi Aramco<br>
  **Title:** Drilling Optimization

**Panel Session 5: A Holistic Brewing Approach to Artificial Lift Systems and Fluids**

- **Session 9:** Haitham Al-Maadeed, Saudi Aramco<br>
  **Title:** A Holistic Brewing Approach to Artificial Lift Systems and Fluids
- **Session 10:** Khalid Al-Maadeed, Saudi Aramco<br>
  **Title:** Artificial Lift Systems and Fluids

**Panel Session 6: Reservoir Characterisation and Development of Unconventional Shale Resources**

- **Session 11:** Amjad Al-Maadeed, Saudi Aramco<br>
  **Title:** Reservoir Characterisation and Development of Unconventional Shale Resources
- **Session 12:** Ali Al-Maadeed, Saudi Aramco<br>
  **Title:** Enhanced Understanding and Development of Unconventional Shale Resources

**Panel Session 7: New Developments in Reservoir Monitoring, Analysis and Management**

- **Session 13:** Khaled Al-Maadeed, Saudi Aramco<br>
  **Title:** New Developments in Reservoir Monitoring, Analysis and Management
- **Session 14:** Yasser Al-Maadeed, Saudi Aramco<br>
  **Title:** Advanced Formation Evaluation and Wellbore Surveillance

**Panel Session 8: Understanding the Fundamental Aspects of Conformance Control**

- **Session 15:** Hisham Al-Maadeed, Saudi Aramco<br>
  **Title:** Understanding the Fundamental Aspects of Conformance Control
- **Session 16:** Fahd Al-Maadeed, Saudi Aramco<br>
  **Title:** How Can We Define a Holistic Set of Common Requirements that Drive—Life Cycle?
Opening Ceremony

Tuesday, 21 September | 0830–0930 (UTC+4)  Sheikh Rashid Halls E&F

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

Tom Blasingame
2021 SPE President
Texas A&M University

CEO Plenary Session:
The New Oil and Gas Journey: Agility, Innovation, and Value Creation
Tuesday, 21 September | 1030–1200 (UTC+4)  Sheikh Rashid Halls E&F

Moderator
Ali Al Jarwan
CEO
Dragon Oil

Speakers
Omar Obaid Al Nasri
CEO
ADNOC Onshore

Arnaud Breuillac
President E&P
TotalEnergies

Claudio Descalzi
CEO
Eni

Olivier Le Peuch
CEO
Schlumberger

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

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.

GET INVOLVED.
GET CONNECTED.
GET INFORMED.

JOIN OR RENEW TODAY!
Join our worldwide membership today and receive member registration rates for SPE events. Visit go.spe.org/joinSPE.
Panel Session 1:
Transitioning to Net Zero: Governments and Corporations

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

Speakers
Mohammed Al Nakhi
Joint Venture Director
BP
Kamel Ben-Naceur
2022 SPE President
Nomadia Energy
John MacArthur
Group Climate Change Officer
ADNOC
Vakulenko Sergey Vladimirovich
Head of Strategy and Innovations
Gazprom Neft PJSC
Pascal Siegwart
VP, Carbon Markets and Economy
TotalEnergies

Tuesday, 21 September | 1330–1500 (UTC+4) Sheikh Rashid Hall A

Panel Session 2:
Post Pandemic Business Models and Strategies

Moderator
Zeid M. Gharib
Saudi Aramco

Speakers
Maurizio Rampoldi
Technical Director and Deputy Managing Director
Eni Abu Dhabi
Jamie Ingram
Senior Editor
Middle East Economic Survey (MEES)
Ziad Jeha
Managing Director
Saudi Arabia and Bahrain Schlumberger
Depinder Sandhu
CTO
Weatherford

Wednesday, 22 September | 0830–1000 (UTC+4) Sheikh Rashid Hall A
Panel Session 3:
Accelerating the Uptake of New Technology Applications

Wednesday, 22 September | 1100–1230 (UTC+4)  
Sheikh Rashid Hall A

Moderator:
Ibrahim Al-Alawi  
Deputy CEO  
AlMansoori Specialized Engineering

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

Ben Charbit  
Director  
Marketing and Strategy  
Schlumberger

Alan Nelson  
CTO  
ADNOC

Panel Session 4:
Funding Future Projects: Access to Capital, Risk Management

Wednesday, 22 September | 1400–1530 (UTC+4)  
Sheikh Rashid Hall A

Moderator:
Kamel Ben-Naceur  
2022 SPE President  
Nomadia Energy

Speakers:
Sherif Foda  
Chairman and CEO  
NESR

Mazen Matar  
Managing Director  
ASRY

Nicolas Thevenot  
Managing Director  
APICORP

Panel Session 5:
Energy Mix Collaboration

Thursday, 23 September | 0900–1030 (UTC+4)  
Sheikh Rashid Hall A

Moderator:
Satyam Priyadarshy  
Managing Director—India Center  
Technology Fellow and Chief Data Scientist  
Halliburton

Speakers:
Fareed Abdulla AlHashmi  
COO  
Operating Assets  
Dragon Oil

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

Atul Arya  
Senior Vice President and Chief Energy Strategist  
IHS Markit

Etienne Anglès d’Auriac  
VP Climate Strategy  
TotalEnergies
Special Events

13–14 September | 1700–2045 (UTC+4) | Virtual
**Startup Village**
SPE, in partnership with the Rice Alliance, is hosting the Startup Village showcasing emerging energy companies. Eligible companies will compete for prize money, followed by afternoon discussions about building startups.

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

14 September | 1800–1930 (UTC+4) | Virtual
**How to Write A 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 atce.org to view the full schedule.

13–14 September | 1700–2045 (UTC+4) | Virtual
**Startup Village**
SPE, in partnership with the Rice Alliance, is hosting the Startup Village showcasing emerging energy companies. Eligible companies will compete for prize money, followed by afternoon discussions about building startups.

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.

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.

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.

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Updated as of 5 August 2021
Sponsorship and Exhibition Opportunities

Seminars

SPE seminars help professionals improve their expertise and stay up-to-date on the best practices in a dynamic industry. SPE works with recognised experts in their fields to develop seminars covering a wide range of industry topics.

Participants receive 0.8 Continuing Education Units (CEUs) for each seminar.

- **Application of Machine Learning in the Unconventional Tight/Shale Reservoir Development**
  Nancy Chen, Associate Professor, Department of Chemical and Petroleum Engineering, University of Calgary
  12 September 2021 | Virtual

- **Production Forecasts and Reserves Estimates in Unconventional Resources**
  W. John Lee, DVG Endowed Chair, Petroleum Engineering, Texas A&M University
  13–14 September 2021 | Virtual

- **A Proactive Approach to Ensure Well Integrity During the Construction and Operation of Wells**
  Salim Taoutaou, Founder and Managing Director, TCOFS LLC
  15 September 2021 | Virtual

- **Process Safety for E&P Operations**
  Mark Hansen, Director, Process Safety, Contek Solutions LLC
  16 September 2021 | Virtual

- **Reservoir Engineering Applications of Advanced Data Analytics and Machine Learning Algorithms**
  Ashwin Venkatraman, Founder and CEO, Resermin Inc.
  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

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Discounted Flights and Hotels

Take Advantage of these Special Offers Today!

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

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

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Welcome to Dubai, where anything is possible. Dubai prides itself on delivering experiences that exceed expectations. The city is home to record-breaking 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.

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

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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.

Sanitisation stations will be accessible throughout the venue.

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

Attendees are required to print their badge at home.

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REGISTER TODAY!