



Society of Petroleum Engineers

Host Organisation



SPE Reservoir Characterisation and Simulation Conference and Exhibition

Emerging Digital Technologies to Augment Reservoir
Potential, Profitability, and Sustainability

24–26 January 2023

Conrad Abu Dhabi Etihad Towers | Abu Dhabi, UAE

Post-Event Report



About the Conference

The eighth edition of the SPE Reservoir Characterisation and Simulation Conference and Exhibition, themed “Enhancing Reservoir Potential, Profitability, and Sustainability with Emerging Digital Technologies” was a gathering of experts including geoscientists, reservoir and petroleum engineers, and data scientists. The conference aimed to explore the latest advances in emerging technologies and how they can be leveraged to maximise reservoir potential while ensuring economic viability.

ATTENDEES



341
TOTAL
ATTENDEES



87
COMPANIES



30
COUNTRIES

CALL FOR PAPERS



262
ABSTRACTS
SUBMITTED



95
COMPANIES



35
COUNTRIES



72
TECHNICAL
PAPERS



18
TECHNICAL
SESSIONS



108
ABSTRACTS
SELECTED

PAPERS PRESENTED



50
COMPANIES



20
COUNTRIES



72
SESSION
PRESENTATIONS

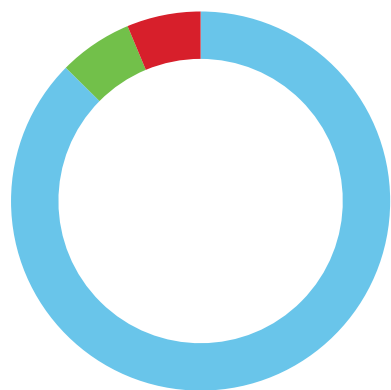


36
ePOSTER
PRESENTATIONS



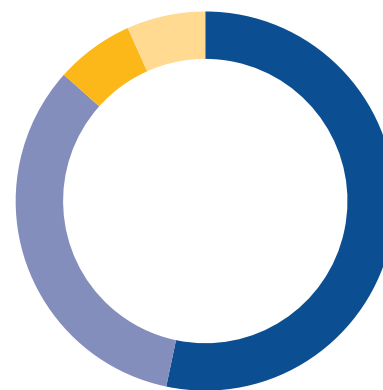
Attendee Statistics

These statistics provide a snapshot of the professional classifications, and geographical breakdown of the attendees that participated in 2023. The event attracted 341 professionals from the industry representing 89 organisations and 30 countries.



Technical Interests

■ Reservoir	88%
■ Data Science and Engineering Analytics	6%
■ Production and Operations	6%



Geographic Region

■ Middle East	53%
■ UK/Europe	33%
■ Asia/Asia Pacific	7%
■ United States	7%



Job Classifications

■ Engineer	57%
■ Consultant	13%
■ Business Operations	6%
■ Executive	6%
■ Geologist or Geophysicist	6%
■ Manager	6%
■ Research and Development	6%

What did attendees say?

“
Great venue and service,
good networking, well
organized for presenters.”

“
Networking opportunities in
the coffee break area. As the
conference was not a big one,
it was more personal.”

“
Excellent technical
program.”



“
Discussing with IOC/NOC leaders
their long/short term visions about
implementing advance AI technology,
future workflows, best practices,
cooperation strategies, ...etc”

**Feedback based on 2022 survey results.*

Committee

Conference Chair

Maged Mabrook
ADNOC

Programme Committee Members

Mubashir Ahmad
ADNOC Onshore

Waleed Alameri
Khalifa University

Helal Ali Mohamed Abdulla Al Dhanhani
ADNOC Offshore

Khuloud Al Khlaifi
ADNOC Offshore

Mohammed Saad Al Kobaisi
Khalifa University

Qassim Al Riyami
Petroleum Development Oman

Emad W. Al Shalabi
Khalifa University

Sami Bahri
ADNOC Offshore

Conference Co-Chair

Shawket Ghedan
ADNOC

Kirill Bogachev
Rock Flow Dynamics

Karim El-Khoury
CMG

Luky Hendraningrat
PETRONAS

Siddharth Jain
Sharjah National Oil Corporation

Qun Li
CNPC

Kristian Mogensen
ADNOC

Siyavash Motellah
BP

Hasan Nooruddin
Saudi Aramco

Conference Co-Chair

Hussein Mustapha
SLB

Paola Panfili
Eni

Leonardo Patacchini
Stone Ridge Technology

Satyam Priyadarshy
Halliburton

Jose Rodriguez
OXY

Wen Shi
ADNOC Onshore

Tao Yu
CNPC

“

“This edition promoted and embraced emerging technologies and advances in reservoir modelling to unlock potential and maximise economic portfolio. Industry leaders in reservoir, geoscience, petroleum engineering, and data science gathered to exchange ideas and enhance their knowledge for optimal reservoir exploitation.”

”



Maged Mabrook
Manager
Reservoir and Petroleum
Engineering
Thamama Subsurface
Excellence Division
ADNOC

Opening Ceremony

Speakers



Maged Mabrook
Conference Chair
Manager
Reservoir and Petroleum
Engineering
Thamama Subsurface
Excellence Division
ADNOC



Mohamed Al Marzouqi
SVP Development
ADNOC



Medhat Kamal
2023 SPE President
Fellow Emeritus
Chevron



Trygve Randen
Director
Data and Subsurface
SLB

Executive Plenary Session: Emerging Digital Technologies to Augment Reservoir Potential, Profitability, and Sustainability

Moderator

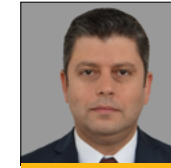


Hussein Mustapha
Advisor and
INNOVATION
FACTORI Manager
SLB

Speakers



Xudong Jing
Vice President of
Thamama Subsurface
Excellence
ADNOC



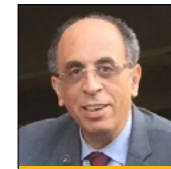
Dany Rahal
Vice President Digital
MENA
SLB



Ashraf Tahini
Vice President EXPEC
Computer Center
Saudi Aramco



Victoria Rodrigues
Reservoir Engineering
Manager
bp



Osama Hanna,
WW Energy Industry Core
Team/Senior Industry Digital
Strategist
Microsoft

Panel Session 1: Innovative Technologies to Support the Energy Transition

Moderator

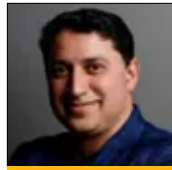


Jose Rodriguez
Geological
Consultant
OXY

Speakers



Ali Alyousef
Managing Technology
Research
Saudi Aramco



Shripad Biniwale
Global Innovation
Manager
Subsurface
SLB



Hideharu Yonebayashi
Deputy General Manager
Technology Integration
Japan Oil Development



Mohammed Amri
Acting Chief
Technology Officer
AIQ



Rahul Mark Fonseca
Senior Specialist
Reservoir
Optimisation
Research and
Development
(Upstream)
ADNOC



Lourdes Vega
Director of the Research
and Innovation Center on
CO2 and Hydrogen (RICH)
Acting Senior Director
Petroleum Institute
Khalifa University

Panel Session 2: Data-Driven Technologies—How to Realise the Potential

Moderator



Shawket Ghedan
Specialist Reservoir
Engineer Thamama
Subsurface
Excellence Division
ADNOC Upstream

Speakers



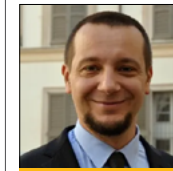
Shahab D. Mohaghegh
Director of WVU-
LEADS (Laboratory
for Engineering
Application of Data
Science)
**West Virginia
University**



Michael Aikman
Expert Reservoir
Engineering
(Field Development)
ADNOC Upstream



Ashwin Venkatraman
Founder and CEO
Resermine



Emanuele Vignati
Manager REMP
Reservoir Management
and Production Data
Analysis
Eni



Qassim Al-Riyamy
Reservoir Engineering
Corporate Function
Discipline Head
**Petroleum Development
Oman**

Panel Session 3: Unconventional and Challenging Reservoirs: What Else Can We Do?

Moderator

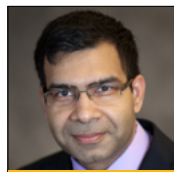


Qassim Al-Riyamy
Reservoir
Engineering
Corporate Function
Discipline Head
**Petroleum
Development
Oman**

Speakers



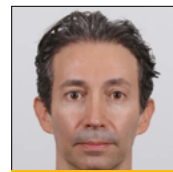
Beth Rees
Head of Product
Management
GEOSOFTWARE



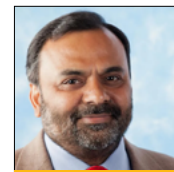
Nitin Chowdhury
Expert Unconventional
ADNOC



David Hicks
Vice President
Eastern Hemisphere
CMG



Nicola Fetta
Consulting Reservoir
Engineering
**Colorado School
of Mines**



Satyam Priyadarshy
Managing Director
India Center Technology Fellow
and Chief Data Scientist
Halliburton International



Society of Petroleum Engineers

About the Society of Petroleum Engineers

The Society of Petroleum Engineers (SPE) is a not-for-profit professional association with more than 119,000 members in 138 countries engaged in the exploration and production of oil and gas and related energy resources. SPE is a key technical and professional resource providing opportunities to exchange information at in-person and online events and through training, publications, and member programs. SPE maintains offices in Calgary, Dallas, Dubai, Houston, Kuala Lumpur, and London.

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Society of Petroleum Engineers

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PO Box 215959, Dubai,
United Arab Emirates

T: +971.4.457.5800

E: registrationdubai@spe.org

