



Society of Petroleum Engineers

Host Organisation

AIQ



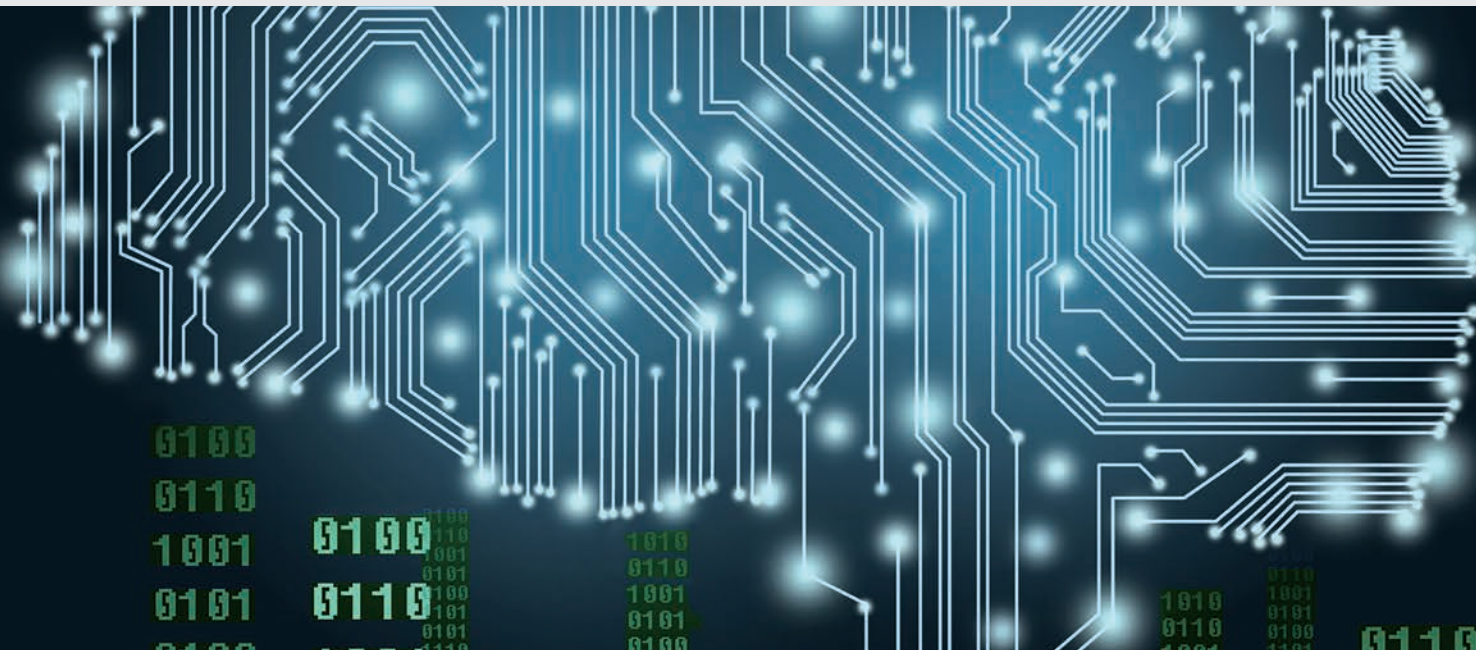
# SPE Symposium: Integrated Digitalisation and AI Technologies—Maximising Efficiency and Sustainability

## 27–28 September 2023

Dusit Thani Abu Dhabi,  
Abu Dhabi, United Arab Emirates

[go.spe.org/AIUAE](https://go.spe.org/AIUAE)

## Post-Event Report



## Symposium Summary

Ever since the Industrial Revolution, the energy industry has been the backbone of human advancement, a testament to creativity and problem solving, a challenge for curious minds. Generations after generations have been pushing their intellectual limits to better the sector—increase performance, make it sustainable and safe, and scale it seamlessly, step by step. With AI coming to a spotlight nowadays, it is the time when humankind can make a leap forward and fundamentally transform it for the better.

This event explored various AI opportunities and solutions available within the sector and their potential for transforming the industry towards a more sustainable future, and also discussed recent concerns over AI advancements.

It brought together not only energy professionals and experts from all over the world, but the largest AI and technology providers, hyperscalers and software developers under one roof.

### HIGHLIGHTS

Host Organisation

**SPE Symposium:  
Integrated Digitalisation and AI  
Technologies—Maximising  
Efficiency and Sustainability**

27–28 September 2023  
 Dusit Thani Abu Dhabi, Abu Dhabi, UAE

View the Agenda >

### ATTENDEES



**49**  
COMPANIES



**13**  
COUNTRIES



**180**  
TOTAL ATTENDEES

## Chair and Co-Chair Committee



**Maged Mabrook**  
Committee Chairperson  
Vice President  
Enhanced Oil Recovery  
and CO<sub>2</sub> Sequestration  
ADNOC



**Khalid AlDossary**  
VP of Energy Transition  
and Sustainability  
TAQA



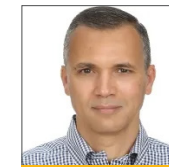
**Marwan Alnuaimi**  
Research and  
Development  
Program Manager  
AIQ



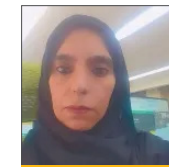
**Shamma Saeed Alshehhi**  
Production Optimization  
Team leader  
ADNOC



**Umar Asif**  
Head of Research  
and Development  
AIQ



**Mansour Belhadj**  
General Manager  
Energy and Resources  
Industries, EMEA  
Microsoft



**Aisha Bimani**  
Discipline Coach—  
ATP Petroleum  
Development Oman



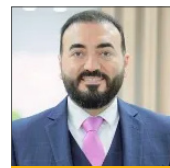
**Saravan Kumar Penubarthi**  
Committee Co-Chairperson  
Chief Technology Officer  
AIQ



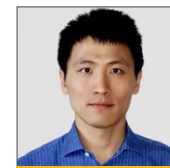
**Daniel Busby**  
Subsurface  
Decision Solutions  
Project Manager  
TotalEnergies



**Vitaly Chernikov**  
Artificial Lift Center of  
Excellence  
Manager Robotics and  
Motion Division  
ABB



**Wassim Ghadban**  
Vice President, Global  
Innovation and Digital  
Engineering  
Ken



**Song Hou**  
Head, AI Lab  
CGG



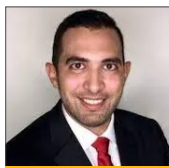
**Elfadi Z. Ibrahim**  
Advisor, Digital Surface  
Solutions  
Operational Excellence  
Division  
ADNOC



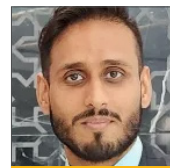
**Amit Kar**  
Director, Digital  
Solutions Leader,  
Energies  
and Chemicals  
Schneider Electric



**Hesham Marzouk**  
Data Bank Analyst  
Data and Information  
Services Department  
GECF



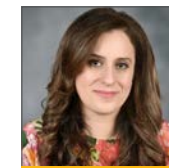
**Carlos Mata**  
Data Bank Analyst  
Data and Information  
Services Department  
GECF



**Hamood Meraj**  
Vice President  
Middle East  
Petrolink International



**Hussein Mustapha**  
Advisor and  
Innovation Factori  
Manager  
SLB



**Noha Najem**  
(Innovation and  
Technology Group)  
Kuwait Oil Company



**Umar Naveed**  
Continuous  
Improvement  
Manager D&I  
Arabian Drilling

## Committee *Cont.*



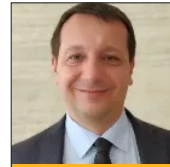
**Satyam Priyadarshy**  
Technology Fellow and  
Chief Data  
Scientist  
Halliburton



**Danil Starobogatov**  
VP, Marketing,  
Communications and  
Branding  
AIQ



**Gerhard Thonhauser**  
CEO  
TDE Group



**Emanuele Vignati**  
Reservoir Surveillance  
Monitoring and Management  
Advisor  
Eni



**Anton Yakovlev**  
Regional Director  
Caspian and Middle East  
Quorum Software



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.

## Opening Ceremony and Sponsor Recognition

### Speaker



**Mohamed Al Marzouqi**  
Executive Vice President,  
Development Function  
ADNOC



**Saravan Kumar Penubarthi**  
Committee Co-Chairperson  
Chief Technology Officer  
AIQ

## Strategic Panel Session 1: Unleashing the Potential of AI in Energy Transition and Decarbonisation Outlook

### Moderator



**Shamma Saeed Alshehhi**  
Production Optimization  
Team Leader  
ADNOC

### Speakers



**Hideharu Yonebayashi**  
Deputy General Manager,  
Technology Integration  
JODCO



**Rafael Aguilar**  
Marketing and Strategy Director  
SLB



**Andrew Cappello**  
Director for Digital,  
Controls and Automation  
TechnipFMC



**Ahmad Salem**  
SVP Commercial and  
Business Development  
AIQ

## Strategic Panel Session 2: AI's Talent Transformation in the Energy Industry

### Moderator



**Khalid AlDossary**  
VP of Energy Transition  
and Sustainability  
TAQA

### Speakers



**Ghassan Mirdad**  
CEO  
Arabian Drilling



**Gerhard Thonhauser**  
CEO  
TDE Group



**Moutaz Mashou**  
EVP Corporate Services  
TAQA



**Ashwin Venkatraman**  
Founder and CEO  
RESERMINE

## Technical Session 1: Digital Transformation and Associated Challenges

### Moderators



**Satyam Priyadarshy**  
Technology Fellow and  
Chief Data  
Scientist  
Halliburton



**Hussein Mustapha**  
INNOVATION FACTORI  
Manager  
Schlumberger

### Speakers



**Roberto Esposito**  
Sales Director  
VELO3D



**Romain Clavaud**  
Fugro



**Richard Mohan**  
Specialist, Data Architecture  
ADNOC

## Technical Session 2: Opportunities Unlocked by Generative AI in the Oil and Gas Sector

### Moderators



**Elfadl Z. Ibrahim**  
Advisor, Digital Surface  
Solutions  
Operational Excellence  
Division  
ADNOC

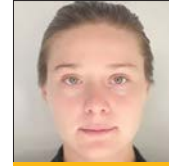


**David Clark**  
Chief Executive Officer  
Vysus

### Speakers



**Yara Alatrach**  
EMEA Energy industry Advisor  
Microsoft



**Anna Dubovik**  
Head of Subsurface AI  
Terralink



**Issam Said**  
NVIDIA



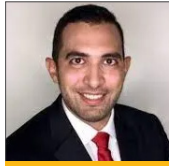
**Fahed Mubarak Braik**  
Specialist, Data  
Visualization and  
Workflow Automation  
ADNOC

## Technical Session 3: Replicating Reality: The Emergence of Digital Twins in Oil and Gas

### Moderators



**Wassim Ghadban**  
Vice President, Global  
Innovation and Digital  
Engineering,  
Kent

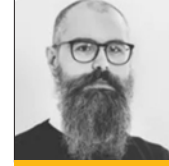


**Carlos Mata**  
Data Bank Analyst  
Data and Information  
Services Department  
GECF

### Speakers



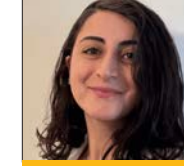
**Fakhreddine Mrabet**  
Chief Technology Officer  
Digitalpetroleum



**Lorenzo Colli**  
Data Science Expert  
BlueThink S.p.A.



**Wael Almadhoun**  
Snr. Technical Project Manager  
AIQ



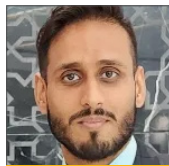
**Siba Moussa**  
AI/ML Scientist  
Genentech

## Technical Session 4: Technologies for More Energy and Less Emissions

### Moderators



**Emanuele Vignati**  
Reservoir Surveillance,  
Monitoring and  
Management Advisor  
Eni

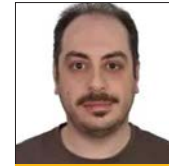


**Hamood Meraj**  
Vice President  
Middle East  
Petrolink International Ltd.

### Speakers



**Abdullah Almontasheri**  
Oil and Gas Principal  
AVEVA



**Arghad Arnaout**  
Sr. Product Manager  
Head of Product Management  
AIQ

We thank all  
the speakers of  
the symposium.  
View highlights  
from the event  
here.

# Social Media Coverage

**Quorum Software**  
18,551 followers  
2mo • Edited •

+ Follow

Meet us at the SPE Symposium on Integrated Digitalization and AI Technologies in Abu Dhabi!

Discover how Quorum connects people, systems, and workflows with decision-ready data to maximize efficiency and sustainability.

See you at our booth!

#oilandgas #event #energy #onequorum



**Voovio**  
6,272 followers  
2mo • Edited •

+ Follow

We're excited to participate in the SPE Symposium taking place 27-28 September in Abu Dhabi. Join us to connect with industry experts and discuss new trends in digitalization and AI Technologies maximizing efficiency and sustainability in the energy industry!

👉 To find out more about how Voovio reduces unplanned events and maximizes efficiency for leading companies in the Middle East, connect with our MENA expert, **Ahmed Alaa!**

**SPE Symposium: Integrated Digitalisation and AI Technologies—Maximising Efficiency and Sustainability**  
27-28 September 2023 | Abu Dhabi, United Arab Emirates

**VOOVIO**

**JOIN ME - REGISTER TODAY**

**AHMED ALAA**  
MENA DIRECTOR

**Arabian Drilling**  
77,317 followers  
2mo • Edited •

+ Follow

"AI can have significant implications and benefits for human capital in the Oil and Gas industry; AI will not be able to address all the industry's challenges; but implemented effectively, it can provide a measure of flexibility and agility," said **Ghassan Mirdad**, Arabian Drilling CEO in his keynote speech during this week's SPE Symposium, Integrated Digitalization and AI Technologies—Maximizing Efficiency and Sustainability, held in Abu Dhabi and organized by **Society of Petroleum Engineers International**.

#humancapital #AI #ArabianDrilling #oilandgas #upstream #rigs #development #talents #competencies



**Society of Petroleum Engineers International**  
193,594 followers  
2mo • Edited •

The largest AI and technology providers, hyperscalers, and software developers—all under one roof—to showcase the best solutions for the oil and gas industry. Connect with industry leaders and subject-matter experts—Register for SPE's upcoming symposium on Integrated Digitalisation and AI Technologies.

#AI #ArtificialIntelligence #Analytics #Data #DataScience #Digital #Energy #Gas #

**SPE Symposium: Integrated Digitalisation and AI Technologies—Maximising Efficiency and Sustainability**  
27-28 September 2023 | Abu Dhabi, United Arab Emirates

**Register Today**

Learn about the latest technologies, trends, and breakthroughs from industry leaders and experts.  
www.spe-events.org • 1 min read

**Vysus Group**  
33,477 followers  
2mo • Edited •

+ Follow

Our CEO **David Clark** attended the successful #SPE Symposium: Integrated Digitalisation and AI Technologies—Maximising Efficiency and Sustainability in Abu Dhabi last week. David co-moderated Technical Session 2: Opportunities Unlocked by Generative AI in the Oil and Gas Sector, along with Effadi Z. Ibrahim from ADNOC - Upstream.

<https://bit.ly/46dsnk5>

#technicalexcellence #conference #spe #abudhabi #wearevysusgroup



**ALTAVE**  
9K followers  
2mo • Edited •

+ Follow

This was the main point of the presentation by our CEO, Bruno Avena, during his presentation at the SPE Symposium: Integrated Digitalization and AI Technologies in Dushanbe, Dushanbe, United Arab Emirates. ...see more

**HOW CAN INTEGRATED VIDEO ANALYTICS SOLUTIONS FOR OIL&GAS HSE CHALLENGES MITIGATE RISKS AND REDUCE ACCIDENTS?**

Check more about ALTAVE's participation at **SPE Symposium 2023**.

**TAQA (Industrialization & Energy Services Compa...**  
112,034 followers  
2mo • Edited •

+ Follow

During the #SPE Symposium "Integrated Digitalization and AI Technologies Maximizing Efficiency and Sustainability" that took place in Abu Dhabi, UAE, Moutaz Mashhour – TAQA (Industrialization & Energy Services Company) EVP - Corporate Services, participated in a panel discussion titled "AI's Talent Transformation in the Energy Industry", and moderated by Khalid Al Dossary, TAQA VP Energy Transition and Sustainability .

Mr. Mashhour discussed how organizations are adapting their human resource strategies to foster a culture of continuous learning and ensuring a symbiotic relationship between human expertise and artificial intelligence.

Mr. Mashhour also commented: "while AI brings several benefits to HR talent transformation in the energy industry, organizations need to ensure that ethical considerations, data privacy, and a human-centric approach are at the forefront when implementing AI solutions"

#TAQA #AI #Energy #OilAndGas #FutureOfWork



**AIQ**  
7,591 followers  
2mo • Edited •

+ Follow

The #AIQ team is gearing up for the upcoming **Society of Petroleum Engineers International** SPE Symposium with the theme "Integrated Digitalisation & AI Technologies - Maximising Efficiency & Sustainability." ...see more

**SPE SYMPOSIUM**  
Integrated Digitalisation & AI Technologies  
- Maximising Efficiency & Sustainability

**TECHNICAL SESSIONS**



## Thank You to Our Sponsors

### Host Organisation



### Gold Sponsor



### Associate Sponsors



# Thank You to Our Exhibitors

AIQ



FUGRO

GEOLOG



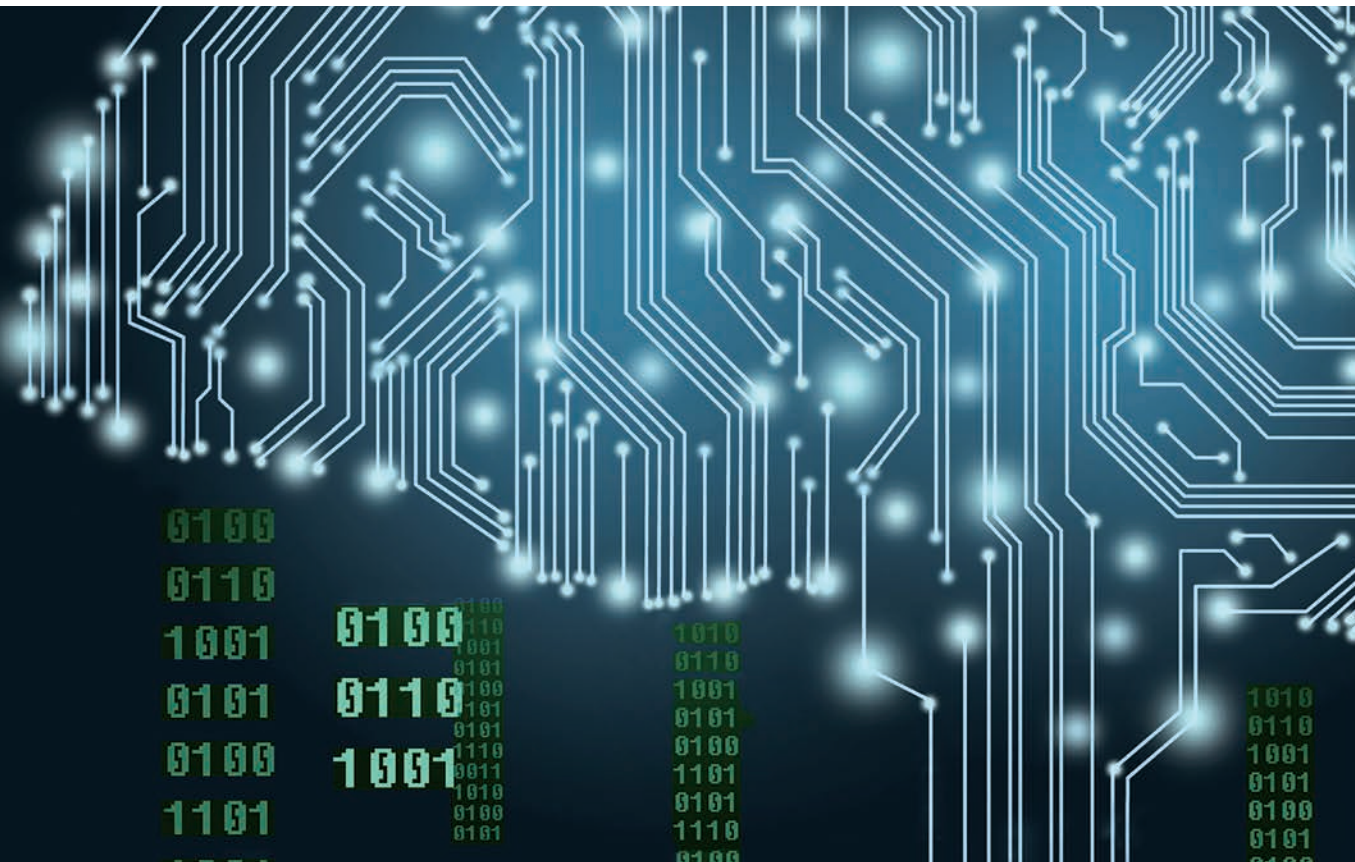
HALLIBURTON



slb



[go.spe.org/AIUAE](http://go.spe.org/AIUAE)



Society of Petroleum Engineers

Society of Petroleum Engineers  
PO Box 215959, Dubai  
United Arab Emirates

**T:** +971.4.457.5800

**E:** [spedub@spe.org](mailto:spedub@spe.org)

