AAPG

EAGE

EUROPEAN ASSOCIATION OF GEOSCIENTISTS & ENGINEERS

ONSITE BROCHURE

16-18 November 2026
KOC Ahmad Al-Jaber Oil & Gas Exhibition · Kuwait

5TH EDITION AAPG/EAGE HYDROCARBON SEALS OF THE MIDDLE EAST GTW

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DAY 1: MONDAY 16 NOVEMBER

07.30-08.30 **Workshop Registration**

08.30-08.45 **Workshop Co-Chairs' Welcome and Introduction**

08.45-09.00

Welcome Address
Talal Al Adwani, AAPG Middle East President

09.00-09.15

Inaugural Keynote
TBC

09.15-09.45

Technical Keynote
Areej Al-Darmi, KOC
Beyond the Conventional Cap Rock: A Multi-Dimensional Approach for Seal Characterization

SESSION 1: SEAL CHARACTERIZATION

Session Chairs **Mariam Jasem, KOC & Hamad Al-Hamad, KOC**

09.45-10.10 **Said Al Balushi, CCED**
Quality and Spatial Distribution of Hydrocarbon Seals for Ediacaran Nafun Group Carbonate Reservoirs, East-Central Sultanate of Oman

10.10-10.35 **Awadelgied Adam , Aramco**
Characterizing and Predicting Rock Sealing Capacity through Integration of Well Logs, Core Data and MICP Intrusion Curves

10.35-11.00 Coffee Break & Posters

11.00-11.25 **Saif Al Azri, PDO**
Seismic Characterization of the Tight Carbonate Seal Overlying the Mafraq Reservoir, Makarem Field, Northern Oman

11.25-11.50 **Nicolas Boehm, KAUST**
Decoding the Seal: Facies Architecture, Strontium Geochemistry and Salinity/Sea-level Reconstruction from A Detailed Core Study on the Hith-Arab Evaporites from the Upper Jurassic of Saudi Arabia

11.50-12.15 **Q&A Session**

12.15-13:15 Lunch

SESSION 2: LATERAL SEAL ELEMENTS & STRATIGRAPHIC COMPLEXITY

Session Chairs **Ali Al-Ghamdi, Aramco & Said Al Balushi, CCED**

13.15-13.40 **Manayer Al-Azmi, KOC**
Seismic Inversion in Effective Seal Evaluation - Case Study of Hydrocarbon Entrapment in Minagish Formation on Ahmadi-Adal Structural Trend - Southeast Kuwait

13.40-14.05 **Karam Abd Rabu, KOC**
The Role of Subtle Seismic Faults as Hydrocarbon Seals in the Marrat Reservoir: Insights from Sidetrack Drilling in the Burgan Oil Fields, SEK

14.05-14.30 Coffee Break & Posters

14:30-14:55 **Junaid Khan, KOC**
Fault-Integrated Seismic Inversion for Seal Evaluation and Reservoir Characterization: A Case Study from the Khashman Field, Greater Burgan

14.55-15.20 **Eyad Khalaf, Aramco**
Mapping and De-risking Seals and Entrapment Configurations: Examples of Jurassic Strata in Saudi Arabia

15.20-15.45 **Hanan Mohammed, KOC**
Hydrocarbon Seal Behavior and Charge Dynamics in the Zubair Petroleum System for Greater Burgan Fields

15.45-16.15 **Q&A Session**

DAY 2: TUESDAY 17 NOVEMBER

09.00-09.30

Technical Keynote
Juliane Heiland, SLB
Integrating 3D Geomechanics Modeling with Geological and Engineering Processes to Predict Natural Fractures, Cap Rock Integrity and Fault Stability

SESSION 3: SEAL INTEGRITY UNDER STRUCTURAL STRESS (GEOMECHANICS WORKFLOW)

Session Chairs **Omran Al-Zankawi, KOC & Mohammad Al-Naqi, Kuwait University**

Saif Al Azri, PDO
09.30-09.55 Microseismic Response to Steam Injection in a Highly Fractured Field: Evidence of Fault Reactivation and Fluid-Driven Seismicity: A Case Study From Sultanate of Oman

Tuhin Podder, Baker Hughes
09.55-10.20 In Situ Stress Mapping and Associated Geomechanical Implications for Hydrocarbon Seal Assessment: A Regional Perspective for Hydrocarbon Fields in Kuwait

10.20-10.50 Coffee Break & Posters

10.50-11.15 **Muhammad Ibrahim, Target Exploration Consultants**
Geologic, Seismic, Climatic and Oil Production Controls on Regional Seals Integrity and Hydrocarbon Seepages at Al-Ahmadi, SE Kuwait

11.15-11.40 **Hemant Singh, Baker Hughes**
Evaluating the Impact of Geomechanical Uncertainty on Caprock Integrity and Fault Stability for Injection Design in a Depleted Gas Reservoir

11.40-12.05 **Suryy Choudhury, Shell**
Application of InSAR Data for Asset Management in Kuwait

12.05 -12.30 **Q&A Session**

12.30-13.30 Lunch

13:30-16:00 **Core Display Session**

DAY 3: WEDNESDAY 18 NOVEMBER

SESSION 4: INTEGRATED SEAL EVALUATION: DIGITAL WORKFLOWS, PREDICTION & RISK ASSESSMENT

Session Chairs **Jassim Safwani, Aramco & Sayed Behbehani, KOC**

09.00-09.25 **Mohamed Fouda, Halliburton**
An Integrated Logging-While-Drilling Workflow for Evaluating Fractured Reservoirs and Effectively Place Horizontal Wells below Hydrocarbon Seals

09.25-09.50 **Hemant Singh, Baker Hughes**
AI-Driven Seismic Super-Resolution and Inversion for Improved Stratigraphic and Seal Characterization: A Case Study from the Kra'a al-Maru Field, West Kuwait

09.50-10.20 Coffee Break & Posters

10.20-10.45 **Rainer Schmidt, Aramco**
Regional Seal Assessment from a Hydrocarbon Charge Perspective

10.45-11.10 **Mahmoud Abou Shanab, Shell Egypt**
Integrated 3D PPP Modeling for Seal De-Risking and Capacity Estimation for Deepwater Pre-Messinian Plays of the Eastern Mediterranean

11.10-11.35 **Eman Fadli, KOC**
Caprock Integrity Assessment - Predictive Modelling for Risk Management of Brownfields in Kuwait

11.35-12.15 **Q&A Session**

12.15-13:15 Lunch

SESSION 5: SEAL INTEGRITY FOR GAS STORAGE & ECOSYSTEM OF SEALS: BEYOND OIL & GAS

Session Chairs **Mohammed Saleh (Aramco) & Hemant Singh (Baker Hughes)**

13.15-13.40 **Safdar Khan, Slb**
De-risking the Seal Ecosystem: Geomechanical Assurance for safe Co2 and H2 Storage Assets

13.40-14.05 **Rajesh Rajagopal, KOC / University of Manchester**
Seismic Insights for Reservoir-Seal Evaluation in CCS Screening

14.05-14.20 **Q&A Session**

14.20-14.45 Coffee Break & Posters

14.45-15.00 Workshop Wrap Up and Adjournement

15.00-16.00 **Core Display Session**

Poster

Daniil Bogoedov, Geoplat AI

Detection And Spatial Localization Of Paleo-Objects In Seismic Data Using Computer Vision