

DAY 1 MONDAY 16 JANUARY

07.00-08.30 Workshop Registration

08.30-08.45 Workshop Chair's Welcome and Introduction

08.45-09.00 **INAUGURAL KEYNOTE**
Hisham Siyabi (Exploration Director), PDO



09.00-09.30 **TECHNICAL KEYNOTE**
Bandar Al Ghassal (Geochemistry Unit Supervisor), Saudi Aramco
Petroleum Geochemistry from Exploration to Production: An Example from the Middle East



09.30-10.00 Coffee Break & Posters

SESSION 1: PETROLEUM SYSTEMS OF THE MIDDLE EAST

Session Chairs **Thomas Hancock, GaffneyCline & Rajai AlHubail, Saudi Aramco**

10.00-10.30 **TECHNICAL KEYNOTE**
Andy Bell (Team Leader: Global Geology Research), Shell
The Cryogenian Origins of the Q Petroleum System of Oman. Source Rock Deposition in a Glacial World



10.30-10.55 **Christoph Keuser, PDO**
New Insights from an Old Petroleum System: The Huqf-Gharif(!) Petroleum System in Central Oman

10.55-11.20 **Alcide Thebault, Beicip-Franlab**
Tackling Thermogenic and Biogenic Petroleum Systems in the Levant Basin

11.20-12.20 Breakout Session

12.20-13.20 Lunch

SESSION 2: SOURCE ROCKS

Session Chairs **Hilario Camacho, OXY Oman & Ebrahim Hamad, Tatweer Petroleum**

13.20-13.45 **Pan Luo, Saudi Aramco**
Thermal Reactivity Assessment for Source Rock Characterization and Optimization of Kinetics Model in Basin Modeling

13.45-14.10 **Faisal Alghamdi, KFUPM**
An Integrated Geochemical, Petrophysical and Petrographic Characterization of the Silurian Qusaiba Formation: Northwestern Saudi Arabia

14.10-14.40 Coffee Break & Posters

14.40-15.05 **Maimona Washie, Saudi Aramco**
Regional Characterization of Paleozoic Petroleum System, Saudi Arabia

15.05-16.05 Breakout Session

DAY 2 TUESDAY 17 JANUARY

08.30-09.00 **TECHNICAL KEYNOTE**
Waleed Al-Bazzaz (Associate Research Scientist), KISR
Next Generation Extreme Heavy oil: Geo-chemistry Characterization, Recovery Improvement and Modeling



SESSION 3: CONVENTIONAL AND UNCONVENTIONAL RESERVOIRS

Session Chairs **Ardiansyah Koeshidayatullah, KFUPM & Thomas Hancock, GaffneyCline**

09.00-09.25 **Miatham Al Saleh, Saudi Aramco**
Quantitative Analysis of Facies Association and E-Light Content

09.25-09.50 **Arif Hussain, KFUPM**
Reservoir Heterogeneity in Mixed Siliciclastic-Carbonate Systems: A Case Study from the Early Oligocene-Miocene, Syn-Rift Succession in the Gulf of Aqaba Region, Saudi Arabia

09.50-10.20 Coffee Break & Posters

10.20-10.45 **Shamsa Al Barashdi, PDO**
New Look into an Old Play: An Ever-Green Shuaiba Play, a Regional Review of the Depositional Environment from North Oman to Central Oman

10.45-11.10 **Abdulwahab Muhammad Bello, KFUPM**
Reservoir Quality Assessments of the Syn-rift, Continental Sedimentary Systems: Insights from the Oligocene-Miocene Al Wajh Formation, Red Sea Rift, NW Saudi Arabia

11.10-12.10 Breakout Session

12.10-13.00 Lunch

SESSION 4: TRAP & SEAL

Session Chairs **Ardiansyah Koeshidayatullah, KFUPM & Rajai AlHubail, Saudi Aramco**

13.00-13.25 **Hussain Najwani, Ara Petroleum**
Trap Deformation and Reservoir-Seal Architecture Impact on Field C Development in B44 North-West Oman

13.25-13.50 **Russell Davis, SLB**
Effective Trap and Seal Analysis: Methods, Risks and Uncertainty

13.50-14.15 **Mohammed Al Hinai, OQ**
Safiq Deposition and Impact on Trapping Potential Along Western Flank of Oman Basin

14.15-14.45 Coffee Break & Posters

14.45-17.00 Core Display

DAY 3 WEDNESDAY 18 JANUARY

09.00-09.30 **TECHNICAL KEYNOTE**
Khalid Arouri (Senior Geological Consultant), Saudi Aramco
Multiscale Petroleum Characterization



SESSION 5: IN-RESERVOIR ALTERATION PROCESSES AND CONTAMINANTS

Session Chairs **Hussain Najwani, Ara Petroleum & Mohammed Al Ghamhari, PDO**

09.30-09.55 **Peter Nederlof, 3G Consultants Abu Dhabi**
Controls of the H₂S Concentrations in the Hydrocarbon Accumulation of the Arabian Gulf

09.55-10.20 **Sattam Al Mutairi, Saudi Aramco**
Isotopic Signatures for the Assessment of Seasonal Rainfall, Groundwater Recharge and Operational Water Flowbacks: Insights of Water Resources Management and Alterations

10.20-10.50 Coffee Break & Posters

10.50-12.00 Breakout Session

12.00-13.00 Lunch

SESSION 6: INTEGRATED CHARGE STUDIES & GEOLOGICAL RISK ASSESSMENT

Session Chairs **Fahad Al Khaledi, KUFPEC & Mauricio Herrera Volcan, SLB**

13.00-13.25 **Ibrahim Alfraih and Saleh Alqahtani, Saudi Aramco**
Lateral-Vertical Fluid Stacking: A Top-down Charge Assessment Approach for Unconventional Tight Sand Systems

13.25-13.50 **Sabra Hamza Al Shaqsi, PDO**
Integrated Charge Evolution Using 1D to Polarize Charge Risk in South Oman

13.50-14.15 **Khalid Arouri, Saudi Aramco**
Resolving Complex Hydrocarbon Reservoirs: A Tale of Two Adjacent Gas Fields

14.15-14.45 Coffee Break & Posters

14.45-15.10 **Juan Carlos Hidalgo, SLB**
Petroleum Exploration Risk and Resource Assessment

15.10-15.35 **Bader Al-Baloul, KUFPEC**
The Impact and Mitigation of "Biases" on Geological Risk Evaluation

15.35-16.35 Breakout Session

16.35-16.45 Workshop Wrap Up & Adjournment



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