## Technical Session 1
### Petroleum Exploration and Development
**Room 308**

### 1615 - 1630
**Structural Evolution of JG&JD Fields AG-basin Western Desert Egypt and Its Impact on HC Exploration**  
Authors: Hamdy Mahmoud (BAPETCO & Al Minya University, Egypt); Ali Bakr (Alexandria University, Egypt)

### 1630 - 1645
**Impact of the Grade of Metamorphism on the Porosity Ranges of Sedimentary Rocks**  
Author: Gamal Gaafar (PETRONAS Carigali Sdn Bhd, Malaysia)

### 1645 - 1700
**Modified Saturation-Height-Function for Modeling Transition Zones in Carbonate Reservoirs-Case Study**  
Authors: Jamii Adegbite, Achinta Bera and Hadi Belhaj (Khalifa University of Science and Technology, Abu Dhabi, United Arab Emirates)

### 1700 - 1715
**Investigation of "Strange Attractors" for Prediction of Petrophysical Properties in Petroleum Fields**  
Authors: M Altunbay, Gamal Gaafar (PETRONAS Carigali Sdn Bhd, Malaysia), M Ahmed and A Rafik (Universiti Teknologi PETRONAS, Malaysia)

### Alternative
**Deciphering Reservoir Wettability from Deep Resistivity Log, a Case Study**  
Author: Abubaker Alansari (Universiti Teknologi PETRONAS, Malaysia)

**Title: Neural Network Determination of Porosity and Permeability of Shaly Sandstone Reservoir Using NMR**  
Author: Ghareb Hamada (Universiti Teknologi PETRONAS, Malaysia)

### Technical Session 2
### Reservoir Engineering & Hydrocarbon Recovery
**Room 309**

### 1615 - 1630
**Laboratory Studies on Microbial Enhanced Oil Recovery Using Pseudomonas Aeruginosa PTCC 1074**  
Rajesh Kanna (AMET University, Chennai, India)

### 1630 - 1645
**Effect of L/D Ratio on Axial Velocity and Entrance Length in Two-phase Flow Regime Characterisation**  
Joao Chidamoio (University of Aberdeen, United Kingdom)

### 1645 - 1700
**Characterizing Low-Salinity Water Flooding in Low-Permeability Sandstone Reservoir**  
Abdullah Almansour (King Abdulaziz City for Science and Technology, Saudi Arabia)

### 1700 - 1715
**Embedded Discrete Fracture Model (EDFM) for Gel Propagation Through Fractured Reservoirs**  
Ali Alhuraishawy (Missan Oil Company - Missouri University of Science and Technology, USA)

### Alternative
**Hydrocarbon Gas Injection for Enhanced Oil Recovery in Emerald Field**  
Nabilla Aziz (Universiti Teknologi PETRONAS, Malaysia)

**Evaluation of New Surfactants for EOR Applications in High-Temperature Reservoirs**  
Nazliah Nazma Zulkifli (Universiti Teknologi PETRONAS & Petronas Research Sdn Bhd, Malaysia); Syed M Mahmood, Saeed Akbari and Khaled Elraies (Universiti Teknologi PETRONAS, Malaysia)

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**Room 310**

### 1615 - 1630
**Optimization of Gas Injection in Gas Lift at the Libo Field**  
Ali Musnal (Universitas Islam Riau, Indonesia)

### 1630 - 1645
**Application of Finite Element Discretization with Weak Formulation for Simulation of Acid Fracturing**  
Mustafa Alhubail, Reza Barati Ghahfarokhi, Reza Barati Ghahfarokhi (University of Kansas; Petroeeconomic Solutions LLC, USA); Anil Misra (University of Kansas) and Belladonna Maulianda (Universiti Teknologi PETRONAS, Malaysia)

### 1645 - 1700
**A New Inflow Performance Relationship for Multilateral Horizontal Wells with Inflow Control Device**  
Steven Chandra (Institut Teknologi Bandung, Indonesia)

### 1700 - 1715
**Estimation of a CO2-Philic Foam Model Parameters Based on Experimental Behavior**  
Seyedeh Talebian (PETRONAS Carigali Sdn Bhd), Mudasser Mumtaz (Universiti Teknologi PETRONAS); Mostafa Ghasemi Baboli (Universiti Teknologi PETRONAS)

### Alternative
**Numerical Analysis of Supersonic-Swirl NG-Water Downhole Separator**  
Ali Gitan and Fakhruldin Mohd Hashim, (Universiti Teknologi PETRONAS)

**An Experimental Study on Sand Screen Erosion Using Sand Blasting Technique in Gas Flow**  
Dinesh Kanesan (Universiti Teknologi PETRONAS)

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### 1720 - 1735
**Application of Hydraulic Flow Units in Permeability prediction Case study, Western Desert, Egypt**  
Abu Abdul Mostafa (Badr Petroleum Company, Egypt)

### 1735 - 1750
**Designing Solution for Complex Numerical Modeling Problem in Thinly Laminated Sands**  
Alla Rezae (Institut Teknologi Bandung, Indonesia)

### 1750 - 1805
**A Comprehensive Temperature Approach to Characterize Fluid Behaviour in Challenging Well Condition**  
Muhammad Bajre (Halliburton Energy Services sdn. bhd., Malaysia); Belladonna Maulianda (Universiti Teknologi Petronas, Malaysia)

### Alternative
**Carbonate Transition Zone: A Case Study of Digital Rock Analysis for Rock Type Classification**  
Huaifeng Sun, Hadi Belhaj, and Achinta Bera (Khalifa University of Science and Technology, United Arab Emirates)

**Comparison of Seismoelectric Coupling Response in Porous Media Partially Saturated with Gas and Oil**  
Shiferaw Regassa Jufar; Ulugbek Djuraev; Berihun Negash; Pandian Vasant (Universiti Teknologi PETRONAS)

### Technical Session 5
### Reservoir Engineering & Hydrocarbon Recovery
**Room 309**

### 1805 - 1820
**Carbonate Transition Zone: A Case Study of Digital Rock Analysis for Rock Type Classification**  
Huaifeng Sun, Hadi Belhaj, and Achinta Bera (Khalifa University of Science and Technology, United Arab Emirates)

**A Comprehensive Temperature Approach to Characterize Fluid Behaviour in Challenging Well Condition**  
Muhammad Bajre (Halliburton Energy Services sdn. bhd., Malaysia); Belladonna Maulianda (Universiti Teknologi Petronas, Malaysia)

### Alternative
**Shale Gas Reservoirs Total Porosity - A Qualitative and Quantitative Approach**  
M Ahmad (University Technology Petronas, Malaysia)
1720 - 1735 Finite Element Model to Evaluate Gas Conning Phenomenon in Naturally Fractured Oil Reservoirs
Roda Abdul Azim (American University of Ras Al Khaimah, UAE)

1735 - 1750 Evaluating the Impact of Reservoir Compaction on Production Performance Using Geomechanical Modeling
Arthur Ngan, Rahimah Karim, and Raj Tewari (PETRONAS Carigali Sdn Bhd)

1750 - 1805 Simulation Study of the Effect of Injecting CO2 with N2/Lean Gas on the Minimum Miscibility Pressure
Haizal Muhammad Arsalan Ullah, Taalal Gamadi, Hussain R Saqyeh (Texas Tech University, USA)

1805 - 1820 Quasauw Awad (University of Khartoum; PetroEdge Service Co. Ltd., Sudan); Hassan Nimir (University of Khartoum, Sudan); Mohammed Abdalla Ayoob, and Mysara Elhaj (Universiti Teknologi PETRONAS (UTP), Malaysia)

Alternative A Study to Formulate Predictive Model and Screening Criteria for CO2 Huff-n-Puff in Gas Reservoirs
Edo-Pratama, M Suhaili Ismail, and Syahhir Ridha (Universiti Teknologi PETRONAS)
The Fractures Contact Area and its Effect on the Fluid Flow in Fractured Reservoirs
Faisal Aljuboori (Universiti Teknologi Petronas, Malaysia)

Technical Session 6
Production Operations and Optimization
Room 310

1720 - 1735 Asset Value Optimization Through Advanced Virtual Surveillance to the Production Chain Components
Ahmed Ghallab, Bahrom Madon, and Md Zarin Md Zainuri (PETRONAS Carigali Sdn Bhd, Malaysia)

1735 - 1750 Oxide Nanoparticles for Determination of Petroleum Production Distance in Formation
Mohd Zulkifli Mohamad Noor, Ivy Lam Yoke Chin (Universiti Malaysia Pahang, Malaysia) and Sonny Irawan (Universiti Teknologi PETRONAS, Malaysia)

1750 - 1805 Application of Variance Based Sensitivity Analysis in Modeling Oil Well Productivity and Injectivity
Quasauw Awad (University of Khartoum; PetroEdge Service Co. Ltd., Sudan); Hassan Nimir (University of Khartoum, Sudan); Mohammed Abdalla Ayoob, and Mysara Elhaj (Universiti Teknologi PETRONAS (UTP), Malaysia)

1805 - 1820 Alternative Novel Hydrochloric Acid Retarding Agent for Carbonate Acidizing
Nur Syafiqah Nadhirah Binti Mazlan (Universiti Teknologi PETRONAS)

Removal of Oil from Polymer Produced Water by Using Flocculant Process and Statistical Modelling
Ku Esyra Hani Ku Ishak (Universiti Teknologi Petronas)

Technical Session 7
Production Operations and Optimization
Room 305

0800 - 0815 Optimization of Production Schedule Using Reservoir Simulation Model, Keyi Oil Field, Sudan
Fatima Edris and Liu Tian (China University Petroleum, China)

0815 - 0830 Hydrate-in-Oil Dispersion Stability Characterisation by Micro Differential Scanning Calorimetry
Mohd Zaki Zainal Abidin (The University of Western Australia, Australia)

0830 - 0845 Simulating Yield Stress Variation Along Hydraulic Fracture Face Enhances Polymer Cleanup Modeling in Tight Gas Reservoirs
Regina Abubei, Mustafa Alhubail (University of Kansas, USA); Belladonna Mauiani (Universiti Teknologi Petronas, Malaysia); Reza Barati Ghafarzeh (University of Kansas; Petraeconomic Solutions LLC, USA)

0845 - 0900 Determination of Remaining Oil Using Integrated Sectorization Analysis on Central Sumatera Basin
Dedy Kristanto (Universitas Pembangunan Nasional Veteran Yogyakarta, Indonesia)

0900 - 0915 Demagnetizing the Drilling Magnetic Interference in Far North
Shaine Muhammadali Lajj, Aftab Hussain Arain, Imran Ali Syed and Muhammad Arqam Khan (NED University of Engineering & Technology, Pakistan)

Alternative Gas Lift Optimisation - a Case Study for “s” Cluster at “B” Oil Field
Kew Hong Chew (Universiti Teknologi PETRONAS)

Flow Structures and Their Impact on Hydrocyclone Performance for Oil-Water Separation
Harrison Osei, Hussain H. Al-Kayiem and Fakhruldin Mohd Hashim (Universiti Teknologi PETRONAS)

Technical Session 8
Production Operations and Optimization
Room 306

0800 - 0815 Nanocarbon-Based Enhanced Squeeze Treatment for Improved Scale Management
Ali Samer Muhsan, Norani Muti Mohamed, Umar Ishaq and Ains Syahirah Rozali (Universiti Teknologi PETRONAS, Malaysia)

0815 - 0830 Colloidal Silica Sand Consolidating System
Zahid Hamidi Abdul Hamid (Universiti Teknologi PETRONAS, Malaysia); Kong Teng Ling, Soo Hui Goh, Yee Ling Then, Daniel Thomas Melice (Schlumberger WTA (M) Sdn. Bhd., Malaysia)

0830 - 0845 Experimental Study on the Use of Surfactant as a Fracking Fluid Additive for Improving Shale Gas Productivity
Osmar Hussien (Universiti Teknologi PETRONAS, Malaysia)

0845 - 0900 Novel Approach for Historical Production Data Analysis and Advanced Allocation
Bambang Purwanto and Lazreg Belzreg (PETRONAS Carigali Sdn Bhd, Malaysia)

0900 - 0915 Multi-functional Flow Assurance Inhibitors
Colin Wood (CSIRO, Australia)

Alternative Optimization of Corrosion Inhibitor Performance for Stimulation Operation
Faisal Aljuboori (Universiti Teknologi Petronas)

Calculation of Temperature Profile Along the Depth of Wellbore
Babak Moradi and Mohammed Ayoob (Universiti Teknologi PETRONAS)

Technical Session 9
Advancement in Drilling Operation and Autonomous
Room 305

0920 - 0935 Fishbone Horizontal Wellbore: A Study for Pressure Behavior, Flow Regimes, and Productivity Index
Salim Al-Rbeawi (METU-Northern Cyprus Campus, Cyprus)

0935 - 0950 Alternative Variance-Based Sensitivity Analysis for Enhanced Reservoir Management
Hafiz Muhammad Arsalan Ullah, Taalal Gamadi, Hussain R. Saqyeh (Texas Tech University, USA)

Evaluation of Reservoir Compaction on Production Performance Using Geomechanical Modeling
Arthur Ngan, Rahimah Karim, and Raj Tewari (PETRONAS Carigali Sdn Bhd)

Simulation Study of the Effect of Injecting CO2 with N2/Lean Gas on the Minimum Miscibility Pressure
Haizal Muhammad Arsalan Ullah, Taalal Gamadi, Hussain R. Saqyeh (Texas Tech University, USA)

Application of Variance Based Sensitivity Analysis in Modeling Oil Well Productivity and Injectivity
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A Study to Formulate Predictive Model and Screening Criteria for CO2 Huff-n-Puff in Gas Reservoirs
Edo-Pratama, M Suhaili Ismail, and Sjahvir Ridha (Universiti Teknologi PETRONAS)

The Fractures Contact Area and its Effect on the Fluid Flow in Fractured Reservoirs
Faisal Aljuboori (Universiti Teknologi Petronas, Malaysia)
# Technical Session 10
## Advancement in Drilling Operation and Autonomous
### Room 306

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<td>Investigation of Palm Oil Fuel Ash (POFA) as Fluid Loss Reducing Agent in Water Based Mud Nural Alauddin (Universiti Teknologi Malaysia, Malaysia)</td>
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<td>0950 - 1005</td>
<td>An Assessment of Radioactive Waste of Oil and Gas Drilling in Tropical Environments Ghazawa Atuzbaidi (University of Malaya, Malaysia)</td>
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<td>1020 - 1035</td>
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<td>Hydraulic Analysis of Tool-Joint Contribution to Pump Pressure with Complex Fluid Rheology Titus Ofei (Universiti Teknologi PETRONAS)</td>
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<td>Alternative</td>
<td>Effects of Three Sided Protection for Oil &amp; Gas Facility Steel Beams Under Hydrocarbon Fire Muhammad Imam (Universiti Teknologi PETRONAS)</td>
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<td>Lithofacies Classification Based on Open Hole Logging Using Ternary Diagram Techniques Gamal Gaafar and M Altunbay (PETRONAS Carigal SDN BHD, Malaysia)</td>
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<td>1415 - 1430</td>
<td>Characterization of Shale Pore Systems in Gas Shales of Cambay and Raniganj Basins, India Annapurna Boruah (UPES Dehradun, India)</td>
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<td>1430 - 1445</td>
<td>Image Analysis: Surface Porosity and Permeability Measurement Javed Haneef (NED University of Engineering &amp; Technology, Pakistan)</td>
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<td>Numerical Study of Parameters Affecting Pressure Drop of Power-Law Fluid in Horizontal Annulus Hicham Ferroudji (University of BOUMERDES, Algeria); Ahmed Hadjadj (Hydrocarbons and Chemistry Faculty, Algeria); Ahmed Haddad (Research Center in Industrial Technologies CRTI, Algeria); Titus N Ofei (Universiti Teknologi PETRONAS, Malaysia)</td>
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<td>1500 - 1515</td>
<td>Automatic Driving Petrofac Extended Reach Drilling Performance and Predicting Trouble Occurrence Adin Shafi (Petrofac Malaysia, Malaysia)</td>
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<td>Alternative</td>
<td>Impact of Carbon Dioxide on Geopolymer Cement Under CO2-Saturated Brine and Wet Supercritical CO2 Syahrir Ridha, Riau A Setiawan, Ahmad Shahari (Universiti Teknologi PETRONAS, Malaysia); Mahmood Bathaee (Asia Pacific University of Technology and Innovation, Malaysia); Astra Pramana (Universitas Pertamina, Indonesia)</td>
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<td>Characterization and Identification of an Appropriate Non-Ionic Surfactant for Enhanced Oil Recovery Shilpi Sarmah, Subrata Borghoin Gogo, Annanya Baruah (Dibrugarh University, India)</td>
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<td>1415 - 1430</td>
<td>Experimental Study on H2S Generation of Thermalchemical Reduction Reaction During EOR Process Meiling Zhou (China University of Petroleum, East China); Rui Lin (University of Petroleum, China); Chaojie Han (Weifang Municipal Engineering Design Research Institute Co. Ltd, Weifang, China); Ma Qiang (China University of Petroleum, East China), Qingdao, Shandong, China; Yin Zhang (University of Alaska Fairbanks (UAF), USA)</td>
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<td>1430 - 1445</td>
<td>Application of Artificial Intelligence to Predict Gradient Pore Pressure Abdulmalek Shamsan (UCSI University, Malaysia)</td>
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<td>1445 - 1500</td>
<td>Identifying Sweet Spots for Well Locations Based on Geologically Consistent History Matched Models Siti Aizatie Ramli, Muhd Hafiz Khairul Azmi and Maike Willuweit (Emerson Process Management (M) Sdn Bhd, Malaysia)</td>
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<td>1500 - 1515</td>
<td>The Effect of Sodium Lignosulfonate Bagasse Concentration on Adsorption in the EOR Process Rini Setiati (ITB, Indonesia)</td>
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<td>Alternative</td>
<td>Evaluating the Potential of Internal Olefin Sulphonate Coated Nanosilica for Enhanced Oil Recovery Alaqueh Ahmed (Universiti Teknologi PETRONAS, Malaysia); Muhammad Imran (Universiti Teknologi PETRONAS)</td>
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<td>Alternative</td>
<td>Simulation of Streaming Potential Generated by CO2 Injection to Water Saturated Porous Media Sonny Irawan, Ilham Suhendi (Universiti Teknologi PETRONAS), Totok R. Bandyot (ITS Surabaya, Indonesia)</td>
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Ivan Ezria (SIPR Langguk; Universitas Islam Riau, Indonesia)

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Mahdi Sadri, Seyed Shariatipour, and Andrew Hunt (Coventry University, United Kingdom)

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Raj Tewari (Petronas Carigali Sdn Bhd); Ralf Schulze-Riegert (Schlumberger, Norway); Rahimah Karim (Petronas Carigali Sdn Bhd); Ho Huey (Petronas Carigali Sdn Bhd)

Optimization of Operating Condition CO2 Foam Flooding Enhanced Oil Recovery
Tutok R. Bintoro (ITS Surabaya, Indonesia)

Optimization of Copolymer Grafted Bentonite for Reservoir Conformance Control
Abdelaziz Ahmed, Ismail Mohd Saaid, Hamza Falalu, Afaque Ahmad, Abubakar Abubakar (Universiti Teknologi PETRONAS); Abubakar Tafawa Balewa University, Bauchi State Nigeria, Malaysia

Production Surveillance of a Water Flooded Reservoir Located in Malay Basin
Raj Tewari (Petronas Carigali Sdn Bhd); Ralf Schulze-Riegert (Schlumberger, Norway); Rahimah Karim (Petronas Carigali Sdn Bhd); Ho Huey (Petronas Carigali Sdn Bhd)

Integrated Production Optimisation and Monitoring of Multi-zone Intelligent Wells
Javed Khan, Sonny Irawan (Universiti Teknologi PETRONAS); Ghualm Abbas Qumbrani (MUET S Z A B, Pakistan; UET S Z A B Campus, Lahore, Pakistan); Reza Malakooti (University of Portsmouth, United Kingdom) and Belladonna Maulianda (Universiti Teknologi PETRONAS)

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Dongkwon Han, Jihun Jung, Hyeongjun Seo, Sunil Kwon (Dong-A University, Korea)

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Shehzad Ahmed and Khaled A. Elraies (Universiti Teknologi PETRONAS)

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Asad Syed, Ahmad Kamal, Dzeti Mohshim (Universiti Teknologi PETRONAS)

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Laszlo Belazreg (PETRONAS Carigali Sdn Bhd, Malaysia); Syed M Mahmod (Universiti Teknologi PETRONAS, Malaysia)

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Jean Budi (Bandung Institute of Technology, Indonesia)

Azalinda Aziz, Zachary Aman, Michael Johns and Eric May (University of Western Australia, Australia); Hazlina Husin (Universiti Teknologi PETRONAS, Malaysia)

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Ala AL-Dogail and Rahul Gajbhiye (KFUPM, Saudi Arabia)

Statistical Clustering for Efficiency Improvement of ANN Model in Production Forecasting
Dongkwan Han, Jihun Jung, Hyeongjun Seo, Sunil Kwon (Dong-A University, Korea)

Integrated Production Optimisation and Monitoring of Multi-zone Intelligent Wells
Reza Malakooti (University of Portsmouth, United Kingdom) and Belladonna Maulianda (Universiti Teknologi PETRONAS, Malaysia)

Evaluating the Effect of Surface Tension and Density on Two-Phase Flow in Horizontal Pipes
Ala AL-Dogail and Rahul Gajbhiye (KFUPM, Saudi Arabia)

Statistical Clustering for Efficiency Improvement of ANN Model in Production Forecasting
Dongkwan Han, Jihun Jung, Hyeongjun Seo, Sunil Kwon (Dong-A University, Korea)

Optimization of Coiled Tubing Nozzle for Sand Transport Form Wellbore
Javed Khan, Sonny Irawan (Universiti Teknologi PETRONAS, Malaysia); Ghualm abbas Qumbrani (MUET S Z A B, Pakistan; UET S Z A B Campus, Lahore, Pakistan); Hussain H. Al-Kayiem (Universiti Teknologi PETRONAS, Malaysia)

Energy Analysis of Bio-polymer (Arabic & Guar Gum) Flooding in Clastic Reservoirs
Anas Hassan, Hans Bruning (Delft University of Technology, The Netherlands); Mohammed Ayoub, Mysara Elha (Universiti Teknologi PETRONAS, Malaysia); Tagwa Musa (Sudan University Science and Technology, Sudan)

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Anas Hassan, Hans Bruning, Pacelli Zitha (Delft University of Technology, The Netherlands); Mohammed Ayoub (Universiti Teknologi PETRONAS, Malaysia); Tagwa Musa (Sudan University Science and Technology (SUST), The Netherlands)

The Effect of Pressure and Temperature on IFT Between CO2 and Oil Under Reservoir Condition
Dongkwon Han, Jihun Jung, Hyeongjun Seo, Sunil Kwon (Dong-A University, Korea)

Integrated Modeling of a Complex Oil Rim Development Scenario Under Subsurface Uncertainty
Raj Tewari (Petronas Carigali Sdn Bhd); Ralf Schulze-Riegert (Schlumberger, Norway); Rahimah Karim (Petronas Carigali Sdn Bhd); Ho Huey (Petronas Carigali Sdn Bhd)

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Raj Tewari (Petronas Carigali Sdn Bhd); Ralf Schulze-Riegert (Schlumberger, Norway); Rahimah Karim (Petronas Carigali Sdn Bhd); Ho Huey (Petronas Carigali Sdn Bhd)

Integrated Production Optimisation and Monitoring of Multi-zone Intelligent Wells
Javed Khan, Sonny Irawan (Universiti Teknologi PETRONAS); Ghualm Abbas Qumbrani (MUET S Z A B, Pakistan; UET S Z A B Campus, Lahore, Pakistan); Reza Malakooti (University of Portsmouth, United Kingdom) and Belladonna Maulianda (Universiti Teknologi PETRONAS)

Exergy Analysis of Bio-polymer (Arabic & Guar Gum) Flooding in Clastic Reservoirs
Anas Hassan, Hans Bruning (Delft University of Technology, The Netherlands); Mohammed Ayoub, Mysara Elha (Universiti Teknologi PETRONAS, Malaysia); Tagwa Musa (Sudan University Science and Technology, Sudan)

Use of RFID for Online Viscosity Measurements of Arabic Gum to Monitor Its Degradation in polymerEOR
Anas Hassan, Hans Bruning, Pacelli Zitha (Delft University of Technology, The Netherlands); Mohammed Ayoub (Universiti Teknologi PETRONAS, Malaysia); Tagwa Musa (Sudan University Science and Technology (SUST), The Netherlands)

The Effect of Pressure and Temperature on IFT Between CO2 and Oil Under Reservoir Condition
Dongkwon Han, Jihun Jung, Hyeongjun Seo, Sunil Kwon (Dong-A University, Korea)

Integrated Modeling of a Complex Oil Rim Development Scenario Under Subsurface Uncertainty
Raj Tewari (Petronas Carigali Sdn Bhd); Ralf Schulze-Riegert (Schlumberger, Norway); Rahimah Karim (Petronas Carigali Sdn Bhd); Ho Huey (Petronas Carigali Sdn Bhd)

Optimization of Operating Condition CO2 Foam Flooding Enhanced Oil Recovery
Tutok R. Bintoro (ITS Surabaya, Indonesia)

Optimization of Copolymer Grafted Bentonite for Reservoir Conformance Control
Abdelaziz Ahmed, Ismail Mohd Saaid, Hamza Falalu, Afaque Ahmad, Abubakar Abubakar (Universiti Teknologi PETRONAS); Abubakar Tafawa Balewa University, Bauchi State Nigeria, Malaysia

Production Surveillance of a Water Flooded Reservoir Located in Malay Basin
Raj Tewari (Petronas Carigali Sdn Bhd); Ralf Schulze-Riegert (Schlumberger, Norway); Rahimah Karim (Petronas Carigali Sdn Bhd); Ho Huey (Petronas Carigali Sdn Bhd)
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1520 - 1535 Effect of Relative Permeability Normalization on Oil Reservoir Development Performance
Abdulmalek Shamian and Sami Musa (UCSI University, Malaysia)

1535 - 1550 Plasma Pulse Technology: An Uprising EOR Technique
Karan Patel and Manan Shah (Pandit Deendayal Petroleum University, India)

1550 - 1605 Simulation Study of Effects of Surfactant Properties on Surfactant Flooding in Fractured Reservoirs
Xiaojian Cheng, Jon Klespe and Ole Torseter (Norwegian University of Science and Technology, Norway)

1605 - 1620 Combined Low Salinity and Bio-Surfactant EOR
Anthony Morgan (University of Aberdeen, United Kingdom)

1620 - 1635 Experimental Investigation of Threshold Capillary Pressure in Shares
Aftab Hussain Arain, Imran Ali Syed, Shaine Muhammadali Laji, and Muhammad Arqam Khan (NED University of Engineering & Technology, Pakistan)

Alternative
Investigation of Interfacial Tension (IFT) Behavior Between ADS Surfactant and Hexane in Varying Salinity, Surfactant and Alcohol Concentration
Zulfadzli Saddam, Juhairi Aris Muhammad Shuhili and Mohamed Zamrud (Universiti Teknologi PETRONAS)

Study of Interfacial Tension (IFT) Behavior Between Hexane and Surfactant Solution
Tarek Ganet, Juhairi Aris Muhammad Shuhili and Siang Zhe Chew (Universiti Teknologi PETRONAS)

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1520 - 1535 Optimization of CO2 Enhanced Gas Recovery and Sequestration Using Stochastic Optimization Algorithm
Totok R. Blyanto (ITS Surabaya, Indonesia)

1535 - 1550 Rejuvenating a Mature Field with EOR - A Planning of Yesterday for Tomorrow
Mohd Afzal Mohammad, Raja Tewari, M Zaki Saddikli and Siti NorMalizan Hassan (PETRONAS Carigali Sdn Bhd)

1550 - 1605 Combustion Analysis of Camrunu Crude Oil by Isoconventional Method
Recep Bakar (Colorado School of Mines, USA)

1605 - 1620 Prediction of Steam Distillation Ratio During Steam Injection Using Non-linear Regression Methods
Mohamed Ali Hamid Al (Hiroit Watt University, Malaysia); Sami Musa (UCSI University, Malaysia)

1620 - 1635 Experimental Investigation on the Stabilization Tendencies of an Asphaltene-Wax-solid Complex
Colin Wood (CSIRO, Australia)

Alternative
Salinity and Surfactant Concentration Optimization Using the Bulk Foam Stability Test, A Proposed Modified Test, and Sandpack Flooding
Negar Hadian Nasr, Syed M Mahmood and Saeid Akbari (Universiti Teknologi PETRONAS, Malaysia); Hamed Hematpur (Research Institute of Petroleum Industry, Iran)

Current Progress on Reservoir History Matching Techniques: A Review
Rami Alattar, Berhun Negash and Shiferaw Regassa Jufar (Universiti Teknologi PETRONAS, Malaysia)

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1520 - 1535 Novel Approach in Predicting Water Alternating Gas Injection Recovery Factor, Case Study
Lazegh Belazegh (PETRONAS Carigali Sdn Bhd); Syed M Mahmood (Universiti Teknologi PETRONAS, Malaysia)

1535 - 1550 Resistance Factor Study of Cross Unker Addition for Water ShuttOff Polymer
Astra Pramana (Universitas Pertamina, Indonesia); Syahrir Ridha (Universiti Teknologi PETRONAS, Indonesia)

1550 - 1605 Hi-salinity and Smart Waterflooding Study for an Indonesian Sandstone Oilfield
Astra Pramana (Universitas Pertamina, Indonesia); Syahrir Ridha (Universiti Teknologi PETRONAS, Indonesia)

1605 - 1620 Unconventional Resources: A Reservoir Engineering Perspective Based on Lab Experiments
Javed Hameef and Syed Tariq (NED University of Engineering and Technology, Pakistan)

1620 - 1635 Simulation of Fenuganj Gas Field with Different Development Scenarios for Maximizing Recovery
Mohammed Mahbubur Rahman (Bangladesh University of Engineering and Technology, Bangladesh)

Alternative
Experimental and Numerical Study of Wax Deposition in Crude Oil
Ahassan Abdallah and M Ayoub (Universiti Teknologi PETRONAS, Indonesia)

Effective Approach of Well Bore Stability Analysis Using Different Failure Models
Numair A. Siddiqui and Kuthar Alsiyab (Universiti Teknologi PETRONAS); Mohammed Al-Aamri (Petroleum Development Oman, Oman); Asif Zamir (Universiti Teknologi PETRONAS, Malaysia)

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1520 - 1535 Stimulated Reservoir Volume an Integrated Analysis for its Impact on Reservoir Performance
Salam Al-Rbeawi (METU-Northern Cyprus Campus, Cyprus)

1535 - 1550 Horizontal Versus Vertical Wells Interference in Hydraulically Fractured Shale Reservoirs
Mohamed Zamrud (Universiti Teknologi PETRONAS)

1550 - 1605 Anisotropic Damage Mechanics for Asymmetric Hydraulic Fracture Height Propagation in a Layered Rock
Munaf Ameen, Chad Hammerquist, Arman Khodabakhshnejad, Ahmed Ouenes (FracGeo LLC, USA)

1605 - 1620 Development of a Novel Method for the Treatment of Oil Field Produced Water
Debashis Konwar, Subrata Borghoin Gogoi, Bwhwithi Machahary (Dibrugarh University, India); Juhairi Shuhili (Universiti Teknologi PETRONAS, Malaysia)

1620 - 1635 Risk Analysis of Normally Unmanned Installation (NUI) Facility Using Semi Quantitative Risk Analysis (SQRA)
Ajang Indra and Heri Hermansyah (Universitas Indonesia, Indonesia); Asmi M uhammad Shariff (Universiti Teknologi PETRONAS, Malaysia); Dwini Putri (Universitas Indonesia, Indonesia)

Alternative
Investigation Dual Completion Gaslifted Well Using OLGA Transient Simulation
Mohamed Zamurd (Universiti Teknologi PETRONAS, Malaysia)

An Integrated Approach to Evaluating Shale Gas Reservoirs for Optimization of Hydraulic Fracturing in Cooper Basin, Australia
Omer Iqbal, M Ahmad, Askury Abd Kadir, and Ghaber Hamada (Universiti Teknologi Petronas, Malaysia)