

**ICOGET2018 Conference Technical Sessions
(Tentative)**

**DAY 1 (13TH AUGUST 2018)
Parallel Technical Sessions (1615 - 1715)**

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: Jamiu 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	Title: 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)

Technical Session 3	
Production Operations and Optimization	
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 (University of Kansas; Petroeconomic 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 CO ₂ -Phylic 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 Fakhruddin Mohd Hashim, (Universiti Teknologi PETRONAS)
	An Experimental Study on Sand Screen Erosion Using Sand Blasting Technique in Gas Flow Dinesh Kanesan (Universiti Teknologi PETRONAS)

**DAY 1 (14TH AUGUST 2018)
Parallel Technical Sessions (1720 - 1820)**

Technical Session 4	
Petroleum Exploration and Development	
Room 308	
1720 - 1735	Application of Hydraulic Flow Units in Permeability prediction: Case study, Western Desert, Egypt Alaa Abu Mostafa (Badr Petroleum Company, Egypt)
1735 - 1750	Designing Solution for Complex Numerical Modeling Problem in Thinly Laminated Sands Alireza Hajjzadeh Mobaraki and Raj Tewari (PETRONAS Carigali Sdn Bhd)
1750 - 1805	A Comprehensive Temperature Approach to Characterize Fluid Behaviour in Challenging Well Condition Muhammad Bagir (Halliburton Energy Services sdn. bhd., Malaysia); Belladonna Maulianda (Universiti Teknologi Petronas, Malaysia)
1805 - 1820	Carbonate Transition Zone: A Case Study of Digital Rock Analysis for Rock Type Classification Huafeng Sun, Hadi Belhaj, and Achinta Bera (Khalifa University of Science and Technology, UAE)
Alternative	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)
	Shale Gas Reservoirs Total Porosity - A Qualitative and Quantitative Approach M Ahmad (University Technology Petronas, Malaysia)

Technical Session 5	
Reservoir Engineering & Hydrocarbon Recovery	
Room 309	

1720 - 1735	Finite Element Model to Evaluate Gas Conning Phenomenon in Naturally Fractured Oil Reservoirs Reda Abdel 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 Hafiz Muhammad Arsalan Ullah, Talal Gamadi, Hussain R Saoyleh (Texas Tech University, USA)
1805 - 1820	Application of Variance Based Sensitivity Analysis in Modeling Oil Well Productivity and Injectivity Quosay Awad (University of Khartoum; PetroEdge Service Co. Ltd., Sudan); Hassan Nimir (University of Khartoum, Sudan); Mohammed Abdalla Ayoub, 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 Syahrir 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	Ultra Deepwater Gas Production Assurance Evaluation & Optimization via Integrated Network Modeling Kit Teng Chaw and Arthur Ngan (PETRONAS Carigali Sdn Bhd, Malaysia)
1750 - 1805	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)
1805 - 1820	Integrated Analysis for Post Hydraulic Fracturing Production Forecast in Conventional Oil Reservoir Dedy Kristanto (Universitas Pembangunan Nasional Veteran Yogyakarta, Indonesia)
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 Flotation Process and Statistical Modelling Ku Esyra Hani Ku Ishak (Universiti Teknologi Petronas)

DAY 2 (14TH AUGUST 2018)
Parallel Technical Sessions (0800 - 0915)

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 Maulianda (Universiti Teknologi Petronas, Malaysia); Reza Barati Ghahfarokhi (University of Kansas; Petroeconomic 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 Drillstring Magnetic Interference in Far North Shaine Muhammadali Lalji, 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 Fakhruddin 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, Umair Ishtiaq and Ain 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 Osman Hussien (Universiti Teknologi PETRONAS, Malaysia)
0845 - 0900	Novel Approach for Historical Production Data Analysis and Advanced Allocation Bambang Purwanto and Lazreg Belazreg (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 Haizatul Hafizah Hussain, Salman Amri Naim and Mokhtar Che Ismail (Universiti Teknologi PETRONAS)
	Calculation of Temperature Profile Along the Depth of Wellbore Babak Moradi and Mohammed Ayoub (Universiti Teknologi PETRONAS)

DAY 2 (14TH AUGUST 2018)
Parallel Technical Sessions (0920 - 1035)

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 Salam Al-Rbeawi (METU-Northern Cyprus Campus, Cyprus)

0935 - 0950	Investigation of Palm Oil Fuel Ash (POFA) as Fluid Loss Reducing Agent in Water Based Mud Nurul Alauddin (Universiti Teknologi Malaysia, Malaysia)
0950 - 1005	An Assessment of Radioactive Waste of Oil and Gas Drilling in Tropical Environments Ghazwa Alzubaidi (University of Malaya, Malaysia)
1005 - 1020	Drilling Risk Identification Through Anisotropic Geomechanical Modelling I Gusti Ngurah Setiawan (IMPERIAL COLLEGE LONDON, United Kingdom) Robert Zimmerman (IMPERIAL COLLEGE LONDON, United Kingdom)
1020 - 1035	Application of Cellulose Based Polymers in Oil Well Cementing Ghualm abbas Qumbrani (MUET S Z A B, Pakistan; UET S Z A B Campus, Malaysia); Sonny Irawan (Universiti Teknologi PETRONAS, Malaysia); Khalil-Ur-Rehman Memon (MUET, Pakistan & Jamshoro, Malaysia); Javed Khan (Universiti Teknologi PETRONAS, Malaysia)
Alternative	Hydraulic Analysis of Tool-Joint Contribution to Pump Pressure with Complex Fluid Rheology Titus Ofei (Universiti Teknologi of PETRONAS) Effects of Three Sided Protection for Oil & Gas Facility Steel Beams Under Hydrocarbon Fire Muhammad Imran (Universiti Teknologi PETRONAS)

Technical Session 10	
Advancement in Drilling Operation and Autonomous	
Room 306	
0920 - 0935	Experimental and Numerical Simulation Study for Evaluation of Borehole Stability Reda Abdel Azim (American University of Ras Al Khaimah, United Arab Emirates)
0935 - 0950	DUAL STRING DRILLING- On the Road to Deep Waters Vivek Thakar, Sachin Nambiar, Manan Shah (Pandit Deendayal Petroleum University, India)
0950 - 1005	Infinite-Conductivity Horizontal Well Performance Based on High-Resolution Semi-Analytical Model Firas Al-Kabbawi and Jingsheng Ma (Heriot-Watt University, United Kingdom)
1005 - 1020	Enhancing Well Control by Closing the Wellbore Steve Nas (Olango Consulting Limited, Philippines)
1020 - 1035	Using Artificial Intelligence to Predict Rate of Penetration Considering Pre-Filtered Data Luís Felipe Ferreira Motta Barbosa, Andreas Nascimento, João Andrade de Carvalho Jr., Mauro Mathias (UNESP- Universidade Estadual Paulista, Brazil)
Alternative	The Study of Temperature Distribution of Single Polycrystalline Diamond Compact (PDC) Cutter Abdul Hazim Abdullah and Mohd Azuwan Maoinsar (Universiti Teknologi PETRONAS, Malaysia) Uniaxial Compressive Strength of Geopolymer Cement for Oil Well Cement Suppiah Raja Rajeswary (Universiti Teknologi PETRONAS)

DAY 2 (14TH AUGUST 2018)
Parallel Technical Sessions (1400 - 1515)

DAY 2: Technical Parallel Sessions (1400 - 1515)	
Technical Session 11	
Petroleum Exploration and Development	
Room 302	
1400 - 1415	Lithofacies Classification Based on Open Hole Logging Using Ternary Diagram Techniques Gamal Gaafar and M Altunbay (PETRONAS Carigal SDN BHD, Malaysia)
1415 - 1430	Characterization of Shale Pore Systems in Gas Shales of Cambay and Raniganj Basins, India Annapurna Boruah (UPES Dehradun, India)
1430 - 1445	Image Analysis: Surface Porosity and Permeability Measurement Javed Haneef (NED University of Engineering & Technology, Pakistan)
1445 - 1500	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)
1500 - 1515	Automation Driving Petrofac Extended Reach Drilling Performance and Predicting Trouble Occurrence Adrin Shafil (Petrofac Malaysia, Malaysia)
Alternative	Integrated Formation Evaluation of Laminated Shaly Sand Reservoir in X Oil Field Offshore Sarawak, Malaysia Muhammad Atif Iqbal, Ahmed Mohamed Ahmed Salim, Deva Ghosh, Hassan Baioumy and Syed Ali (Universiti Teknologi PETRONAS, Malaysia) Impact of Carbon Dioxide on Geopolymer Cement Under CO ₂ -Saturated Brine and Wet Supercritical CO ₂ 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)

Technical Session 12	
Reservoir Engineering & Hydrocarbon Recovery	
Room 303	
1400 - 1415	Characterization and Identification of an Appropriate Non-Ionic Surfactant for Enhanced Oil Recovery Shilpi Sarmah, Subrata Borghoin Gogoi, Annanya Baruah (Dibrugarh University, India)
1415 - 1430	Experimental Study on H ₂ S Generation of Thermalchemical Reduction Reaction During EOR Process Meiling Zhou (China University of Petroleum, East China); Riyi 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)
1430 - 1445	Application of Artificial Intelligence to Predict Gradient Pore Pressure Abdulmalek Shamsan (UCSI University, Malaysia)
1445 - 1500	Identifying Sweet Spots for Well Locations Based on Geologically Consistent History Matched Models Siti Aizat Ramli, Muhd Hafiz Khairul Azmi and Maik Willuweit (Emerson Process Management (M) Sdn Bhd, Malaysia)
1500 - 1515	The Effect of Sodium Lignosulfonate Bagasse Concentration on Adsorption in the EOR Process Rini Setiati (ITB; Trisakti University, Indonesia)
Alternative	Evaluating the Potential of Internal Olefin Sulphonate Coated Nanosilica for Enhanced Oil Recovery Afaque Ahmed (Universiti Teknologi PETRONAS, Malaysia) Simulation of Streaming Potential Generated by CO ₂ Injection to Water Saturated Porous Media Sonny Irawan, Ilham Suhendi (Universiti Teknologi PETRONAS), Totok R. Biyanto (ITS Surabaya, Indonesia)

Technical Session 13	
Reservoir Engineering & Hydrocarbon Recovery	
Room 304	

1400 - 1415	Formulation of a Green Enhanced Oil Recovery Slug for Upper Assam Basin, India Joyshree Barman, Subrata Borghoin Gogoi (Dibrugarh University, India); Juhairi Shuhili (Universiti Teknologi Petronas, Malaysia)
1415 - 1430	Huff and Puff Surfactant EOR Pilot Project to Improve Oil Production in the Langgak Field Ivan Efriza (SPR Langgak; Universitas Islam Riau, Indonesia)
1430 - 1445	Effect of Systematic and Random Flow Measurement Errors on History Matching Mahdi Sadri, Seyed Shariatipour, and Andrew Hunt (Coventry University, United Kingdom)
1445 - 1500	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)
1500 - 1515	Optimization of Operating Condition CO2 Foam Flooding Enhanced Oil Recovery Totok R. Biyanto (ITS Surabaya, Indonesia)
Alternative	Optimization of Copolymer Grafted Bentonite for Reservoir Conformance Control Abdelazim Ahmed, Ismail Mohd Saaid, Hamza Falalu, Afaque Ahmed, Abubakar Abubakar (Universiti Teknologi PETRONAS); Abubakar Tafawa Balewa Universiti, Bauchi State Nigeria, Malaysia)
	Production Surveillance of a Waterflooded Reservoir Located in Malay Basin Berihun Negash, Kian Yeap Yap, Shiferaw Regassa Jufar (Universiti Teknologi PETRONAS, Malaysia)

Technical Session 14	
Reservoir Engineering & Hydrocarbon Recovery ☒	
Room 305	
1400 - 1415	Simulation Study of Surfactant Flooding in Naturally Fractured Reservoirs Xiaoqian Cheng and Jon Kleppe (Norwegian University of Science and Technology, Norway)
1415 - 1430	State of the Art CO2 Flooding Simulation of a Heterogeneous Reservoir with Todd Longstaff Approach Nur Izzaty Syuhada Romzi, NISR, Muhammad Hafiz Bin Khairul Azmi and Maikie Willuweit (Emerson Process Management (M) Sdn Bhd, Malaysia); Juhairi Shuhili (Universiti Teknologi PETRONAS, Malaysia)
1430 - 1445	Water Alternating Gas Incremental Recovery Factor Prediction and WAG Pilots Lessons Learned Lazreg Belazreg (PETRONAS Carigali SDN BHD, Malaysia); Syed M Mahmood (Universiti Teknologi PETRONAS, Malaysia)
1445 - 1500	Simulation-based Proxy Model for Uncertainty Assessment and Optimization of Water-Alternating-Gas (WAG) Injection Iwan Budi (Bandung Institute of Technology, Indonesia)
1500 - 1515	Performance of Hydrate Anti-Agglomerants (AAs) in Water in Crude Oil Emulsions Stability Azlinda Azizi, Zachary Aman, Michael Johns and Eric May (University of Western Australia, Australia); Hazlina Husin (Universiti Teknologi PETRONAS, Malaysia)
Alternative	Polymer Added CO2 Foam Fracturing Fluid Under Downhole Conditions Shehzad Ahmed and Khaled A. Elraies (Universiti Teknologi PETRONAS)
	Influence of Lauryl Betaine on Aqueous Solution Stability, Foamability and Foamstability Asad Syed, Ahmad Kamal, Dzeti Mohshim (Universiti Teknologi PETRONAS)

Technical Session 15	
Production Operations and Optimization☒	
Room 306	
1400 - 1415	Integrated Production Optimisation and Monitoring of Multi-zone Intelligent Wells Reza Malakooti (University of Portsmouth, United Kingdom) and Belladonna Maulianda (Universiti Teknologi Petronas, Malaysia)
1415 - 1430	Determination of Sharing Oil Losses Using Proportional and Stratified Methods in Khrisna Field Dedy Kristanto (Universitas Pembangunan Nasional Veteran Yogyakarta, Indonesia)
1430 - 1445	Evaluating the Effect of Surface Tension and Density on Two-Phase Flow in Horizontal Pipes Ala AL-Dogail and Rahul Gajbhiye (KFUPM, Saudi Arabia)
1445 - 1500	Artificial Intelligence Techniques for Predicting Flow Regimes in Horizontal Pipes Ala AL-Dogail and Rahul Gajbhiye (KFUPM, Saudi Arabia)
1500 - 1515	Statistical Clustering for Efficiency Improvement of ANN Model in Production Forecasting Dongkwon Han, Jihun Jung, Hyeongjun Seo, Sunil Kwon (Dong-A University, Korea)
Alternative	Integrated Approach for Fracture Characterization of Hydraulically Stimulated Volume in Tight Gas Reservoir Belladonna Maulianda (Universiti Teknologi PETRONAS); Ron Wong, David Eaton and Ian Gates (University of Calgary, Canada)
	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, Malaysia); Hussain H. Al-Kayiem (Universiti Teknologi PETRONAS, Malaysia)

DAY 2 (14TH AUGUST 2018)
Parallel Technical Sessions (1520 - 1635)

Technical Session 16	
Reservoir Engineering & Hydrocarbon Recovery ☒	
Room 302	
1520 - 1535	Production Optimization Through Surfactant Stimulation in Volcaniclastic Formation Dike Putra (Islamic University of Riau; PT. Panji Laborta Chemindo, Indonesia); Fitrianti Bachtazar (Islamic University of Riau, Indonesia); Agung Gutomo (PT. Panji Laborta Chemindo, Indonesia); Ali Musnal and Achmad Fauzan (Islamic University of Riau, Indonesia)
1535 - 1550	Exergy Analysis of Bio-polymer (Arabic & Guar Gum) Flooding in Clastic Reservoirs Anas Hassan, Hans Bruining (Delft University of Technology, The Netherlands); Mohammed Ayoub, Mysara Elhaj (Universiti Teknologi PETRONAS, Malaysia); Tagwa Musa (Sudan University Science and Technology, Sudan)
1550 - 1605	Use of RFID for Online Viscosity Measurements of Arabic Gum to Monitor Its Degradation in polymerEOR Anas Hassan, Hans Bruining, Pacelli Zitha (Delft University of Technology, The Netherlands); Mohammed Ayoub (Universiti Teknologi PETRONAS, Malaysia); Tagwa Musa (Sudan University Science and Technology (SUST), The Netherlands)
1605 - 1620	The Effect of Pressure and Temperature on IFT Between CO2 and Oil Under Reservoir Condition Fiki Hidayat (Universitas Islam Riau & BWP Meruap, Indonesia)
1620 - 1635	A Case Study of Geostatistical Analysis for 3D Reservoir Modeling of Alpha Zone Dedy Kristanto (Universitas Pembangunan Nasional Veteran Yogyakarta, Indonesia)
Alternative	Parametric Evaluation of Condensate Banking Simulation in a Lean and Multi-Stacked Gas Condensate Reservoir Iqmal Mohammad Fuad, Lee Hyun, Berihun Negash and Nur Asyraf Md Akhir (Universiti Teknologi PETRONAS, Malaysia)
	Dynamic Adsorption of Nanocellulose Based Surfactant in Malaysian Reservoir Muhammad Ayoub, Syed M Mahmood, Shiferaw Regassa Jufar and Mysara Eissa Mohyaldinn (Universiti Teknologi PETRONAS, Malaysia); Abrar Inayat (University of Sharjah, United Arab Emirates); M. Rashid Shamsuddin (Universiti Teknologi PETRONAS, Malaysia); Mahmood Saleem (University of the Punjab, Lahore, Pakistan)

Technical Session 17	
Reservoir Engineering & Hydrocarbon Recovery	
Room 303	
1520 - 1535	Effect of Relative Permeability Normalization on Oil Reservoir Development Performance Abdulmalek Shamsan 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 Xiaoqian Cheng, Jon Kleppe and Ole Torsæter (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 Shales Aftab Hussain Arain, Imran Ali Syed, Shaine Muhammadali Lalji, and Muhammad Arqam Khan (NED University of Engineering & Technology, Pakistan)
Alternative	Investigation of Interfacial Tension (IFT) Behavior Between AOS Surfactant and Hexane in Varying Salinity, Surfactant and Alcohol Concentration Zulfadzli Saddam, Juhairi Aris Muhamad Shuhili and Mohamed Zamrud (Universiti Teknologi PETRONAS)
	Study of Interfacial Tension (IFT) Behavior Between Hexane and Surfactant Solution Tarek Ganet, Juhairi Aris Muhamad Shuhili and Siang Zhi Chew (Universiti Teknologi PETRONAS)

Technical Session 18	
Reservoir Engineering & Hydrocarbon Recovery	
Room 304	
1520 - 1535	Optimization of CO2 Enhanced Gas Recovery and Sequestration Using Stochastic Optimization Algorithm Totok R. Biyanto (ITS Surabaya, Indonesia)
1535 - 1550	Rejuvenating a Mature Field with EOR - A Planning of Yesterday for Tomorrow Mohd Afzan Mohammad, Raj Tewari, M Zaki Sakdilal and Siti NorMaizan Hassan (PETRONAS Carigali Sdn Bhd)
1550 - 1605	Combustion Analysis of Camurlu Crude Oil by Isoconversional 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 Ali (Heriot 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 Saeed Akbari (Universiti Teknologi PETRONAS, Malaysia); Hamed Hematpur (Research Institute of Petroleum Industry, Iran)
	Current Progress on Reservoir History Matching Techniques: A Review Rami Altam, Berihun Negash and Shiferaw Regassa Jufar (Universiti Teknologi PETRONAS, Malaysia)

Technical Session 19	
Reservoir Engineering & Hydrocarbon Recovery	
Room 305	
1520 - 1535	Novel Approach in Predicting Water Alternating Gas Injection Recovery Factor, Case Study Lazreg Belazreg (PETRONAS Carigali Sdn Bhd); Syed M Mahmood (Universiti Teknologi PETRONAS, Malaysia)
1535 - 1550	Resistance Factor Study of Cross Linker Addition for Water Shutoff 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 Haneef and Syed Tariq (NED University of Engineering and Technology, Pakistan)
1620 - 1635	Simulation of Fenchuganj 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 Elhassan Abdallah and M Ayoub (Universiti Teknologi PETRONAS)
	Effective Approach of Well Bore Stability Analysis Using Different Failure Models Numair A. Siddiqui and Kuthar Alsiyab (Universiti Teknologi PETRONAS); Mohammed Al-Aamri (Petrolume Development Oman, Oman); Asif Zamir (Universiti Teknologi PETRONAS Malaysia)

Technical Session 20	
Production Operations and Optimization	
Room 306	
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 Samuel Igba (University of Aberdeen, United Kingdom)
1550 - 1605	Anisotropic Damage Mechanics for Asymmetric Hydraulic Fracture Height Propagation in a Layered Rock Yamina Aimene, Chad Hammerquist, Arman Khodabakhshnejad, Ahmed Ouenes (FracGeo LLC, USA)
1605 - 1620	Development of a Novel Method for the Treatment of Oil Field Produced Water Debasish Konwar, Subrata Borghoin Gogoi, Bwhwithi Machahary (Dibrugarh University, India); Juhairi Shuhili (Universiti Teknologi Petronas, Malaysia)
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Alternative	Investigation Dual Completion Gaslifted Well Using OLGa Transient Simulation Mohamed Zamrud (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 Ghareb Hamada (Universiti Teknologi Petronas, Malaysia)