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<td></td>
<td><strong>Session Title:</strong> Advances in Macromolecular Engineering</td>
<td><strong>Session Title:</strong> Crude to Chemicals Challenges and Solutions</td>
<td><strong>Session Title:</strong> Innovative Formulations &amp; Chemicals (1)</td>
<td><strong>Session Title:</strong> Circular Economy Applications and Challenges</td>
<td><strong>Session Title:</strong> Machine Learning for Optimization and Prediction of processes</td>
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<tr>
<td>14:00-14:20</td>
<td>Chair: Dr. Haleema A. Alamri (Aramco)</td>
<td>Chair: Dr. Shakeel Ahmed (KFUPM)</td>
<td>Chair: Dr. Saleh Al-Mutairi (Halliburton)</td>
<td>Chair: Dr. Bandar Fadhel (Aramco)</td>
<td>Chair: Dr. Yousung Jung</td>
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<tr>
<td>14:00</td>
<td><strong>Authors:</strong> John Yang, Daniel J. Harrigan, Milind M. Vaidya, Michele L. Ostraat Aramco Services Company</td>
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<td>14:20</td>
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<td>14:00-14:40</td>
<td><strong>Authors:</strong> Basem Moosa and Niveen Khashab KAUST</td>
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<td>14:40-15:00</td>
<td><strong>Authors:</strong></td>
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<td>15:00-15:20</td>
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</table>
| 15:40-16:00  | **Title:** Design of metal nanostructures as high performance electrocatalysts for CO2 conversion  
**Authors:** Woong Choi and Hyunjoon Song  
KAIST | **Title:** Catalytic Dealkylation of Alkyl Polycyclic Hydrocarbons Towards Innovation of Petroleum Refinery  
**Authors:** Naonobu Katada  
Tottori University | **Title:** Evaluation of Compatibility and Synergisms Between Completion Chemicals Using A Non-Ideal Mixing Mod.  
**Authors:** Liang Xu, James Ogle  
Halliburton | **Title:** Analysis and optimization of multi-path CCU system using a computer-aided tool.  
**Authors:** Wonpyuk Chung, Ali S. Al-Hunaidy, Hasan Imran, Jay H. Lee  
KAIST | **Title:** Small molecule activation using computational catalysis and data-driven approaches.  
**Authors:** Yousung Jung  
KAIST |
| 16:00-16:20  | **Title:** Development of a Liquid Crystal-Based Sensing Platform for Direct Detection of Heavy Metal Ions  
**Authors:** Sulayman A. Oladego  
KFUPM | **Title:** Development of Thermo-neutral Reforming Catalyst for Hydrogen Production: Low Pressure Structured catalysts  
**Authors:** Shaeekl Ahmed, Sai P. Katikaneni, and Aadesh Harale  
KFUPM | **Title:** Investigation of Sacrificial Agents for Surfactant Injection in Carbonates.  
**Authors:** Annie Wang, Zhenpeng Leng, Ming Han, Alhasan Fuseni  
Saudi Aramco | **Title:** Intermediate temperature CO2 capture: a new promising pathway for future low-cost CCUS  
**Authors:** Takuya Harada, Cameron Halliday, Aqil Jamal, T. Alan Hatton  
MIT | **Title:** Automated Kick Detection Using Data Mining.  
**Authors:** Raed Alouhali, Salem AlGharbi, Abdullah AlYami  
Saudi Aramco |
| 16:20-16:40  | **Title:** Electrochemical synthesis of ammonia with proton-conducting solid oxide and operation of direct ammonium production  
**Authors:** Kangyong Lee, Seung Jin Jeong, WooChul Jung, Sai P. Katikaneni, Kunho Lee, Joongmyeon Bae  
KAIST | **Title:** Optimization of Gasoline Yield Produced from Plastic Mixture Waste by Catalytic Cracking  
**Authors:** Muhammad Faisal Irfan, S. A. Habib, Y. Ali, S. M. Z. Hossain, S. Haji  
University of Bahrain | **Title:** Novel Nanoparticles for Produced Sand and Water Management in Oil and Gas Applications  
**Authors:** Rajendra Kalgaonkar, Khalid Alnoaimi and Vikrant Wagle  
Saudi Aramco | **Title:** Efforts for CO2 Sequestration, Metal nanoparticles, and Membrane  
**Authors:** Nezar H Khdary  
KACST | **Title:** SVR-CSA based platform for modelling and optimization of waste water treatment by Chlorella Kessleri  
**Authors:** S.M. Zakir Hossain, N. Sultana and S.A. Razzaq  
University of Bahrain |
| 16:40-17:00  | **Title:** Reinforcing polyethylene (LLDPE) with polyethylene-grafted silica nanoparticles  
**Authors:** Beem D. Alghamdi, G. Zapsas, K. Ntetsikas, P. Bilalis, N. Hadjichristidis  
KAUST | **Title:** Catalyst for Dealkylation–transalkylation of Heavy Alkyl-aromatics  
**Authors:** Veera Venkata Ramakrishna Tammana, M. Thamer, Z. Zhang, A. Abdali, A. Jazar, A. Al Mahdi, A. Alaqeel, R. AbuDawoud and S. Shaikh  
Saudi Aramco | **Title:** 2D Materials Effect On The Self-Healing Polymer Hydrogels For Water Shutoff  
**Authors:** Edrese Alisharae, Feven Matthews Michael, Ayman Almohsin  
Alfaisal University | **Title:** Catalytic non-redox carbon dioxide fixation in cyclic carbonates  
**Authors:** Cafer T. Yavuz, Saravanan Subramanian, Doyun Kim, Thien Nguyen, Moussumi Garai, WonkiLim  
KAUST | **Title:** Data Management and Integration Framework for Industrial Internet-of-Things in Oil and Gas Smart Plants.  
**Authors:** Abdullah Al-Halafi  
Saudi Aramco |
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</thead>
</table>
| 10:40-11:00  | Session Title: Innovative Materials for Engineering Applications  
Chair: Dr. Abdulrahman M. Albadri (KACST)  
Co-chair: Dr. Saeed Al-Shahrani (SABIC)  
Authors: Ganiyu AlDakheel, Waleed Obaidi, Shahrani, Enrico Bovero, Turki Khaldi, Taie, and Aziz Fihri (Aramco Overseas Company B.V.)  
Title: Synthesis and Characterization of Branched fcc/hcp Ruthenium Nanostructures and Their Catalytic Activity  
Authors: Noktan M. AlYami, Shouwen Shen, and Abdullah K. AlDakheel (Saudi Aramco) | Session Title: Contaminations Removal  
Chair: Dr. Rashid Ansari (Saudi Aramco)  
Co-chair: Dr. Nahid Siddique (KFUPM)  
Authors: Haseen Alsharaeh, Khalid Alhooshani, Mohammad Alabdrabalnabi, Feng Liang and Mohammed Bataweel (KAUST)  
Title: Trace Helium Recovery from Natural Gas Using Membranes  
Authors: Jason Ploeger, Jin Cao, Don Henry, Erin Sorensen (Air Products and Chemicals)  
Room 3 | Session Title: Advances in Fracturing Fluids & Treatment  
Chair: Dr. Abdullah Al-Moajil (Aramco)  
Co-chair: Dr. Hicham El Hajj (Halliburton)  
Authors: Prasad Karadkar, Mohammed Alabdrabalnabi, Feng Liang and Mohammed Bataweel (KAUST)  
Title: A Novel Non-Damaging Fracturing Fluid: From Lab to Field  
Authors: Hiroki Iriguchi (JXTG Nippon Oil & Energy Corp.)  
Room 4 | Session Title: CO2 Utilizations and Conversion C  
Chair: Dr. Issam Gergeige (Aramco)  
Co-Chair: Dr. Yasmeen Aldawsari (Aramco)  
Authors: Harmeet Al-Badary, Ayman Al-Nakhi and Mohammed Alqam (Saudi Aramco)  
Title: Photocatalytic CO2 Conversion Using Cu-Based Cocatalysts with Varying Surface Treatments  
Authors: Mohammed Alqam, Caliboso Saudi Aramco | Session Title: Value Realization Through Process Intelligence  
Chair: Naim Akmal  
Co-chair: Aymen Amer (Aramco)  
Authors: Umesh Patil, Vijay N. Kumar, Pratik Misra, Aymen Amer (Aramco)  
Title: Towards Connected Refineries with Advanced Unit Performance Management  
Authors: Luc Wolff, Pierre-Yves Le-Goff, Ali Jalhel, Axens SA |
| 11:00-11:20  | Session Title: 2D Materials Hybrid Structure Effect On Rechargeable Lithium Battery At Elevated Temperature  
Authors: Edreese Alsharaeb, Zahra Bayhan, Yasmin Musa, Muhammad Arsalan (Alfaisal University)  
Room 1 | Session Title: Meeting IMO 2020 Imposed Challenges by Employing Oxidative Desulfurization of Heavy Oils  
Authors: Saumitra Saxena, Claudia Hernandez, Paolo Guida, Abdul Gani Abdul Jameel, Long Jiang, Saumitra Saxena, Pedro Castano, William Roberts (KAUST)  
Title: Fracture Conductivity Study in Carbonate Formation Using a Solid Acid System: A Laboratory Study  
Authors: Mohammad Alqam, Caliboso Saudi Aramco | Session Title: Cascaded Electrolysis to Optimize the Direct Electrochemical Conversion of CO2 to C2/C3 Hydrocarbons.  
Authors: Maximilian Fleischer, Sofia Romero, Christian Scherrer, Kai-Olaf Hinrichsen (Siemens AG)  
Room 2 | Session Title: Bridge Safety & Security Mandates for Industrial Process Felicities (Energy Industry)  
Authors: Khalid S. Alghamdi, Saudi Aramco |  

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</table>
| 11:20-11:40  | Session Title: Self-cleaning Superhydrophobic Epoxy Coating Based on Fibrous Silica-coated Iron Oxide Magnetic Nanoparticles  
Authors: Haseen Alsharaeh, Khalid Alhooshani, Enrico Bovero, Turki Khaldi, Gasan Alabedi, Waleed Obaidi, Isan Al-Taie, and Aziz Fihri (Saudi Aramco)  
Title: A Greener Approach To The Sulfidation of Hydrodesulfurization Catalysts  
Authors: Abdullah Tanimu, Sehareet A. Ganju; Khalid Alhooshani (KFUPM)  
Authors: Harmeet Al-Badary, Ayman Al-Nakhi and Mohammed Alqam (Saudi Aramco) | Session Title: Effects of Titania Coatings on Hydrodesulfurization Catalysts, Insights from First-principles  
Authors: Hiroki Iriguchi (JXTG Nippon Oil & Energy Corp.)  
Room 3 | Session Title: Application of Sand and Impact of Sand Properties in Enhancing Hydrocarbon Production  
Authors: Muzzammi Shakeel Halliburton | Session Title: Non-reductive Catalytic Conversion of Carbon Dioxide to Organic Carbonates and Carbamates  
Authors: Keichi Tomishige, Tohoku University | Session Title: Robotics in Oil&Gas Operations; A Review  
Authors: Ahmed Alalbouni, Muhammad Arsalan; Abubaker Saeed; Muqbil Khalaf (Saudi Aramco) |
| 11:40-12:00  | Session Title: Synthesis and Characterization of Branched fcc/hcp Ruthenium Nanostructures and Their Catalytic Activity  
Authors: Noktan M. AlYami, Shouwen Shen, and Abdullah K. AlDakheel (Saudi Aramco) | Session Title: A Methodology for Developing Effective Approaches for CO2 Utilisation  
Authors: Tony Picaro (Aramco Overseas Company B.V.)  
Room 4 | Session Title: The Role of Microstructural Characterization and Exothermic Reaction in Optimizing Hydraulic Fractur  
Authors: Harmeet Al-Badary, Ayman Al-Nakhi and Mohammed Alqam (Saudi Aramco) | Session Title: Advanced Process Intelligence at Air Products Saudi Technology Center.  
Authors: Pratik Misra, Vijay N. Kumar, Umesh Patil (Air Products) |
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</table>
| 14:00-14:20 | **Title:** Improved Gas Transport Performance and Feed Stability Through Highly Tunable, Branched Nanoparticles  
**Authors:** Benjamin J. Sundell, Won Seok Chi, Ke Zhang, Daniel J. Harrigan, Steven C. Hayden, Zachary P. Smith, Aramco Services Company  
**Chair:** Dr. Faht Alghunaimi (SABIC) | **Title:** Catalyst for Refining and Petrochemicals-1  
**Authors:** Dr. Omar Koseoglu (Saudi Aramco)  
**Chair:** Dr. Fahad Alghunaimi (Aramco) | **Title:** Scale and Corrosion Control  
**Chair:** Dr. Mohammed H. Khaldi (Aramco)  
**Co-chair:** Dr. Jessica Hancock (Halliburton)  
**Authors:** Dr. Fahad Alghunaimi (Aramco)  
**Co-chair:** Dr. Fahad Alghunaimi (Aramco) | **Title:** Advancements in Fuels, Fuel Cells, and Power Units Applications  
**Chair:** Dr. Mourad Younes (Aramco)  
**Co-Chair:** S. M. Zakir Hossain (Univ. of Bahrain)  
**Authors:** Dr. Mourad Younes (Aramco)  
**Co-Chair:** S. M. Zakir Hossain (Univ. of Bahrain) | **Title:** Process Monitoring and Modeling  
**Chair:** Husinsyah Sitepu  
**Co-chair:** Pratik Misra |
| 14:20-14:40 | **Title:** Improved Gas Transport Performance and Feed Stability Through Highly Tunable, Branched Nanoparticles  
**Authors:** Benjamin J. Sundell, Won Seok Chi, Ke Zhang, Daniel J. Harrigan, Steven C. Hayden, Zachary P. Smith, Aramco Services Company  
**Chair:** Dr. Faht Alghunaimi (SABIC) | **Title:** Novel Cobalt Catalyst to Produce Cyclohexane by the Hydrogenation of Benzene  
**Authors:** Ahmad Alshammari, Rashid M. Altamimi, Rajenahally V. Jagadeesh  
**KACST** | **Title:** Innovative Permanent Down-hole Scale and Corrosion Monitoring System Using Ultrasound Guided Waves  
**Authors:** Abubaker Saeed, Arno Volker, Speaker: Ahmed R. Alaloumi  
**Aramco** | **Title:** Green Saudi Arabia: Saudi Arabian limestone economically captures CO2 and SO2 from combustion of Heavy Fuel Oil (HFO)  
**Authors:** Robert W. Dibble, Sally L. Homsy  
**KAUST** | **Title:** Molecular Modelling of Co-processing Biomass Pyrolysis Oil with Vacuum Gasoil in an Oil Refinery Flu.  
**Authors:** Mohamed Al Jamri, Robin Smith; Jie Li  
**University of Manchester** |
| 14:40-15:00 | **Title:** Elevated Sour Gas Separation Performance by Controlling Crystallinity and Crosslinking in Polyethylene  
**Authors:** Daniel J. Harrigan, Benjamin J. Sundell, John A. Lawrence III  
**Aramco Services Company**  
**Authors:** Daniel J. Harrigan, Benjamin J. Sundell, John A. Lawrence III  
**Aramco Services Company** | **Title:** Well-controlled Synthesis Techniques for Finely Tuned Catalysts for the Conversion of 2-butene  
**Authors:** Brian S. Hanna, Timothy J. Kucharski, Maxim P. Bukhovko, Rachael O. Grudt, Michele L. Ostraat  
**ASC** | **Title:** Corrosion Behavior of 90/10 Cupronickel Heat Exchanger Tubing Material in Chloride Solutions Contain  
**Authors:** Hosni M A Eubber  
**University of Bahrain** | **Title:** Marketable prospects of microbial fuel cell for clean energy generation and wastewater treatment.  
**Authors:** Mohammad Salim Akhter  
**University of Bahrain** | **Title:** Computer-Aided Tool for the Uncertainty-Accounted Process Synthesis of CO2 Utilization Technologies  
**Authors:** Jeehwan Lee  
**KAIST** |
| 15:00-15:20 | **Title:** Sustainable SABIC Solution for Insulation foams in Building & Construction  
**Authors:** Milind Mhalgi, Bander Al-Farhood, Pal, Subodh; Ismaili, A. A.  
**SABIC** | **Title:** Superior Activity of Rh Nanoparticles in Olefin Hydrogenation  
**Authors:** Abdullah Alhanash, Mhamed Benaisa, and Mohamed S. Hamdy  
**KU** | **Title:** Corrosion Control During Acidizing Treatment in Oil Wells  
**Authors:** Hicham El Hajj, Muzammil Shakeel  
**Halliburton** | **Title:** Simulation Driven Clean Fuel Design  
**Authors:** 5. Mani Sarathy  
**KAUST** | **Title:** Development of a Novel Operating Plan for Khurais Steam and Fuel Gas  
**Authors:** Abdulmohsin, Mohmmed T. Amminudin, Kamarul A  
**Saudi Aramco** |
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<tr>
<td>15:40-16:00</td>
<td><strong>Title</strong>: Capturing the Exhaust Pollutants - The Need to Develop Advanced Materials</td>
<td><strong>Title</strong>: Catalyst Control for the Synthesis of Cyclic Carbonates or Polycarbonates from CO2 and Epoxydes</td>
<td><strong>Title</strong>: Investigation of Dynamic Interfacial Tensions of Surfactant Solutions for Improving Oil Production</td>
<td><strong>Title</strong>: Leading-Edge Mirrorless Solar Thermal Panels Reduce Running Costs and Clean Upstream Oil &amp; Gas Image</td>
<td><strong>Title</strong>: A RAPID TECHNIQUE TO QUANTIFY STABILIZER IN POLYPROPYLENE</td>
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<td><strong>Authors</strong>: Tamour Javed, Remi Mahfouez, Esam Z. Hamad, Saud Al Aramco</td>
<td><strong>Authors</strong>: Hyunwoo Kim, KAIST</td>
<td><strong>Authors</strong>: Umin Xu, Ming Han, Dongqing Cao, and Alhasan Fuseni, Aramco Beijing Research Center</td>
<td><strong>Authors</strong>: Marco Scarpellino, Jonathan Kojfman, Piero Abbate, TVP Solar</td>
<td><strong>Authors</strong>: Lohith Nanjegowda, Saeed Al-Shahani, George Kuriakose, Sang Kim, Michael Hall, Faisal Al-Suhaibani, Abderrahman Meddad, SABIC</td>
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<tr>
<td>16:00-16:20</td>
<td><strong>Title</strong>: Design and Analysis of Spoolable Thermoplastic Reinforced Pipes (RTP) for On-shore Oil and Gas Applications</td>
<td><strong>Title</strong>: Catalyst Technology for Maximize Light Olefin Yield in FCC-U</td>
<td><strong>Title</strong>: Melioration in the Properties of Drilling Mud Using Surfactant Modified Graphene</td>
<td><strong>Title</strong>: Investigation of Green Synthesised Silver Nanoparticles in Dye-Sensitized Solar Cells</td>
<td><strong>Authors</strong>: Ibrahim Zaharni, Noor Mana and Ibrahim Jaddi Saud Al Aramco</td>
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<td><strong>Authors</strong>: Ali Alghamdi, Abdul Rahim Arafath and Ratnesh Khandelwal, SABIC</td>
<td><strong>Authors</strong>: Mitsunori Watabe, JGC C&amp;C</td>
<td><strong>Authors</strong>: Muhammad Azeem Akbar Rana, Tawfik A. Saleh, KFUPM</td>
<td><strong>Authors</strong>: Khalil Ebrahim Jasim, Fatema Jaber Alajboori, and Fryad Henari, University of Bahrain</td>
<td><strong>Authors</strong>: Ibrahim Aljarni, Noor Mana and Ibrahim Jaddi Saud Al Aramco</td>
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<tr>
<td>16:20-16:40</td>
<td><strong>Title</strong>: Application of inferential models to crude distillation process</td>
<td><strong>Title</strong>: NanoSurfactants: Crude to Advanced Materials for Enhanced Oil Recovery Applications</td>
<td><strong>Title</strong>: Solar Energy Storage Using Shape-Stabilized Phase Change Materials: MgO and Mg(OH)2 Containing Poly</td>
<td><strong>Title</strong>: X-Ray Fluorescence (XRF) for monitoring and controlling the fabrication and use of catalytic material.</td>
<td><strong>Authors</strong>: Nagmeddin Elwaer, Nouri Hassan, Dev Ranjan Perdhan, SABIC</td>
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<td><strong>Authors</strong>: Cyril Mathieu, Patrick DANG and Cyrille MATHIEU, ARKEMA</td>
<td><strong>Authors</strong>: Ayyat Gizzatov, Afnan Mashat, Amr I. Abdel-Fattah, Saud Al Aramco</td>
<td><strong>Authors</strong>: Md. Hasan Zahir, KFUPM</td>
<td><strong>Authors</strong>: Nasmeddin Elwaer, Nouri Hassan, Dev Ranjan Perdhan SABIC</td>
<td><strong>Authors</strong>: Nagmeddin Elwaer, Nouri Hassan, Dev Ranjan Perdhan, SABIC</td>
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<tr>
<td>16:40-17:00</td>
<td><strong>Title</strong>: 3-Dimensional Nanoarchitectures for Energy Conversion</td>
<td><strong>Title</strong>: Non-Conventional Oxidative Dehydrogenation of Propane to Propylene: Influence of ZrO2 Phase Structure</td>
<td><strong>Title</strong>: Surfactant Partitioning in Oil-Water Systems for Improving Oil Production</td>
<td><strong>Title</strong>: Achieving the Highest Accuracy of Helium Measurement</td>
<td><strong>Authors</strong>: Ahmed J. Ibrahim, Leroy Ellis, Steve Clayton, Hussain A. Shammary Saud Al Aramco</td>
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<td><strong>Authors</strong>: Yeon Sik Jung and Yeji Kim, KAIST</td>
<td><strong>Authors</strong>: Mohamed Mokhtar, Katabathini Narasimbarao, S. Basahel, S. Bawaked, T. Ali, N. Al-Yassir, K. Al-Majnouni, A. Al-Mutairi, A. Al-Zenaidi, A. Toseef, N. Elwaer, King Abdulaziz University</td>
<td><strong>Authors</strong>: Jian Hou, M. Han, Alhasan Fuseni, Aramco Asia</td>
<td><strong>Authors</strong>: F. Afnimam, A. almowshah, A. Alodhaya, S. Diliberto, S. Bruyere, J. Ghanbaja, P. Miskha, H. Albritchin, J.F. Pierson, King Saud University</td>
<td><strong>Authors</strong>: Ahmed J. Ibrahim, Leroy Ellis, Steve Clayton, Hussain A. Shammary Saud Al Aramco</td>
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## Thursday, 31 October, 2019 (Technical session 6)

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<tr>
<td>10:40-11:00</td>
<td><strong>Title</strong>: Optimizing Porous Catalytic Materials with Respect to Intra-particle Mass Transfer</td>
<td><strong>Title</strong>: Optimizing an Industrial Methanol Reactor Using Aspen Plus</td>
<td><strong>Title</strong>: Microbiologically Influenced Corrosion Investigation for Refinery Crude Stabilization</td>
<td><strong>Title</strong>: Nanocellulose from Date-Palm Trees (Phoenix Dactylifera L.)</td>
<td><strong>Title</strong>: Characterization of Synthesized Nano-Sized ZSM-5 Zeolite Catalysts by Using X-ray Powder Diffraction</td>
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<td></td>
<td><strong>Authors</strong>: G. Pirngruber, E. Jolimaitre, A. Hugon, and A.A. Quoineaud IFP Energies nouvelles (IFPEN)</td>
<td><strong>Authors</strong>: Shaker Haji, Omar Al Deeb, Ashraf Hassan University of Bahrain</td>
<td><strong>Authors</strong>: Abdulmohsen Alhumam, Husam Khanfar, Michael Davidson, Ayman Janbi, Abdulkarim Al-Ghahtani, Fahad Hamidi, Ammar Alsaqer Saud Aramco</td>
<td><strong>Authors</strong>: Abdulrahman G. Alhamzani Imam Muhammad S University</td>
<td><strong>Authors</strong>: Rasha A. Al-Ghamdi, Husin Sitepu, Lianhui Ding, and Hassan M. Sadiq Saudi Aramco</td>
</tr>
<tr>
<td>11:00-11:20</td>
<td><strong>Title</strong>: Development and Testing of Novel Lubricants for Extreme Piston Ring Pack Environments</td>
<td><strong>Title</strong>: Exploring the Potential Energy Landscape of Zeolites to Understand Deactivation Pathways</td>
<td><strong>Title</strong>: Reduce the Growth of Biofouling in Seawater Industrial Cooling Towers by Alternative Oxidants</td>
<td><strong>Title</strong>: Crow Search Algorithm for Global Optimization of Papaya Oil Extraction Parameters</td>
<td><strong>Authors</strong>: Husin Sitepu, Rasha A. Al-Ghamdi Saud Aramco</td>
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<td><strong>Authors</strong>: Frank T. Hong, S. Mani Sarathy KAUST</td>
<td><strong>Authors</strong>: Brian S. Hanna, Steven C. Hayden, H. Li, E. Converse, A. France-Lanord, T. Headrick, and J. Grossman ASC</td>
<td><strong>Authors</strong>: Mohammed Alblouoshi, S. Al-Sayegh, A. Al-Refaie and T. Leiknes SABIC</td>
<td><strong>Authors</strong>: S. M. Zakir Hossain, S. Taher, A. Khan, N. Sultana, M.F. Irfan, S.A. Razzak, B. Haque University of Bahrain</td>
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<tr>
<td>11:20-11:40</td>
<td><strong>Title</strong>: Selectivity and Efficient Pb and Cd Ions Removal by Magnetic MFe2O4 (M=Co, Ni, Cu and Zn) Nanoparticles</td>
<td><strong>Title</strong>: Selective Catalytic Reduction (SCR) of NO using H2 under Lean Exhaust Conditions</td>
<td><strong>Title</strong>: Fingerprinting Bacterial Populations in Compacted Clay Cores Imitating Well Cement</td>
<td><strong>Title</strong>: Cryogenic Carbon Capture™ Applications and Results</td>
<td><strong>Authors</strong>: Visvanathan Balasaravanan, Saeed Al-Shahrani SABIC</td>
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<td><strong>Authors</strong>: K. Al Yaqoob, M. Bououdina, B. Al-Najar, M. S. Akhter, J. Judith Vijaya, W. Cai University of Bahrain</td>
<td><strong>Authors</strong>: Nawaf M. Alghamdi, Juan Restrepo-Cano, D. Anjum, C. Kalamaras, Jorge Gascon, and S. Mani Sarathy KAUST</td>
<td><strong>Authors</strong>: Alexander Grigoryan, Darren Korber Saud Aramco</td>
<td><strong>Authors</strong>: Prof. Larry Baxter, Frankman, Andrew Baxter, Kyler Stitt, Chris Hoeger, Skyler Chamberlain, Eric Mansfield, Aaron Sayre, Stephanie Burt Presenter: Robert W. Dibble KAUST</td>
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<td>11:40-12:00</td>
<td><strong>Title</strong>: Additives to sustain quality of product during storage and transport under harsh climatic condition</td>
<td><strong>Title</strong>: Synthesis of Amphoteric Hyperbranched Polyethylene-based Copolymers through a Combination of Living CWCP and ATRP</td>
<td><strong>Title</strong>: Anti-adhesive and Biocidal Thin-film Coatings for Improved Biofouling Resistance of RO Membranes</td>
<td><strong>Title</strong>: Sodium Octanoate Functionalized Graphene Oxide (SO-GO): A Green Corrosion Inhibitor for Oil Well Acidizing Environment</td>
<td><strong>Authors</strong>: Majed Almarshnawi, Vreuls J.J., Al-Bloushi M., and Al-Shahrani S. SABIC</td>
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<td><strong>Authors</strong>: Somak Paul, Dughailher-Al, Abdullah Saad SABIC</td>
<td><strong>Authors</strong>: Ahlam I. Al-sulami and Nikos Hadjichristidis University of Jeddah</td>
<td><strong>Authors</strong>: Ismail Abdulzeen, Asif Matin, Majad Khan, Khalid Al-Hooshani, Mazen Khaled KFUPM</td>
<td><strong>Authors</strong>: Kabiru Harunaj, Tawfik A. Saleh KFUPM</td>
<td><strong>Authors</strong>: Headspace Sampling procedure for Difficult Aqueous Matrices Followed by GCMs with Simultaneous FID.</td>
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