

Under the Patronage of His Royal Highness
Prince Khalifa bin Salman Al Khalifa, Prime Minister, Kingdom of Bahrain



International Downstream Conference & Exhibition

23rd – 25th October 2018
Kingdom of Bahrain



GDA Conference 2018

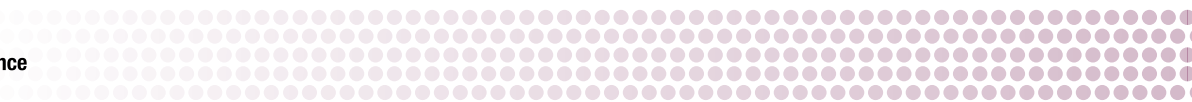
23rd - 25th October

Bahrain International Exhibition & Convention Centre

2018 POST EVENT REPORT

Host Sponsors





!! Towards a Competitive Downstream through
Innovation, Collaboration and Technology !!





'I thoroughly enjoyed this inaugural event. Given this was the first one, it was very impressive to see both the wide range and high calibre of the exhibitors and participate in very active and engaging technical sessions.'

Alan Gelder | VP Rening, Chemicals & Oil Markets | Wood Mackenzie



Over 2,500 professionals gathered from more than 50 countries to hear 200 technical speakers



The GDA Conference proved to be the leading Middle East strategic platform for downstream professionals to address business challenges, share best practices and unlock potential opportunities through collaboration and partnerships. Striving towards excellence, this forum successfully achieved the aim of engaging regional and international stakeholders across the business, academia and technology providers to capitalize on investment, innovation, and growth.



Under the theme of “Towards a Competitive Downstream through Innovation, Collaboration and Technology” the GDA Conference 2018 opened with keynotes featuring three speeches from His Excellency Bakheet Al-Rashidi, Minister of Oil and Minister of Electricity & Water, State of Kuwait, His Excellency Shaikh Mohamed bin Khalifa Al Khalifa, Minister of Oil, Kingdom of Bahrain and Suleiman Al-Bargan, Vice President, Domestic Refining & NGL Fractionation, Saudi Aramco.

Engineers and technical experts met under one roof to address, review and reflect current trends, challenges and delved into best practices other companies were adapting to stay relevant. Audiences were held captive to a strong lineup of technical sessions that included topics such as capturing maximum value from bottom to barrel, upgrading heavy oil strategies for improved refinery economics, using big data analytics to detect faults in chemical processes, new crude heater for better efficiency, reliability and environment performance, demystifying digitalization challenges towards a successful downstream industry deployment, first industry artificial intelligence application in crude refinery amongst many others.

‘The Gulf Downstream Association 2018 International Conference and Exhibition was very well organized. The conference gathered multi-disciplinary expertise across the Arabian Gulf’s neighbor countries. It focused on knowledge sharing as well as benchmarking. All in all, it has been a great collaboration opportunity between different organizations and an honor for me to have been participating in a such event.’

Kumail Alqatari | Process Engineer | Saudi Aramco



Our sincere thanks to the Leadership of GDA Conference 2018

Conference Chairman



Suleman A. Al-Bargan
Vice President, Refining &
NGL Fractionation
Saudi Aramco

Conference Co-Chair



Jasem Al-Sayegh
Chief Executive Officer
ADNOC Refining

Technical Committee

Chair



Khalid Al Hamid
Operations Manager
Ras Tanura Refinery
Saudi Aramco

Co-Chair



Hafedh Al-Qassab
General Manager, Refining
Bapco

Organizing Committee

Chair



Ibrahim M Nitaifi
Manager Engineering
Jazan Refinery
Saudi Aramc

Co-Chair



**Shukri Abdulla
Al Haddad**
Media and Communication
Department Manager
ADNOC Refining

YouChemE Committee

Chairman



Dr. Mohamed Bin Shams
Associate Professor
University of Bahrain

Advisor



Dr. Basim Abussauc
Assistant Professor
KFUPM

LEWAS Committe

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Reem Al Ghanim
HR Leader
Saudi Aramco

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Andy Gosse
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Acting Chief Executive
nogaholding



Fadhel Alansari
General Manager
Manufacturing
GPIC



Fahad Al-Daihani
Deputy CEO, MAA Refinery
KNPC



Faihan Al Faihani
Deputy CEO, Strategies & International Relations
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Gasem Al Shaikh
CEO
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Dr. Halim Hamid Redhwi
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Jim Collins
President - Strategy & Development
Wood



John Derbyshire
President, Technology
KBR



Metab Al-Shammari
General Manager
Petrochemicals
SABIC



Mohammad Al Naghsh
President & CEO
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Mokhtar Fawaz
Vice President
Turbo Machinery and Process Solutions
GE - Oil & Gas



Nadia Bader Al-Hajji
Deputy CEO
Petrochemicals & LNG
KIPIC



Dr. Pierce Riemer
Director General
WPC - World Petroleum Council



Pierre De Vuyst
CEO
Yokogawa MEA



Dr. Prof. Riyad Yousuf Abdulaziz Hamzah
President
University of Bahrain



Suleyman M. Ozmen
Vice President, Downstream Licensing (Retired)
Shell Global Solutions International

Technical Committee Members



Abdallah A Husain
Group Leader
PM-P&SCM OE Support
Saudi Aramco



**Dr. Anissa Bendjeriou
Sedjerari**
Research Center
Liaison Officer
KAUST Catalysis Center



Dr. Basim Abussaud
Assistant Professor
KFUPM



Gautham Krishnaiah
Vice President, Refining
KBR



Gurminder Singh
Director, Technology
Licensing - MENA
**Shell Global Solutions
International**



Dr. Hayat Abdulla Yusuf
Assistant Professor
University of Bahrain



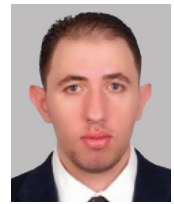
Jim Brigman
Managing Director
Ingenero Inc



Joseph Ibrahim
Managing Director
Middle East
Axens



Khalifa Al-Qallaf
Joint Venture
Management Manager
**Q8 - Kuwait Petroleum
International Ltd**



Mazen Hendawi
Sr. Regional Sales
Account Manager
Honeywell UOP



Mohamed Al Haddadi
Manager, Corporate
Excellence Dept.
ADNOC



Mohammed Al Zahrani
Superintendent
DR & NGLF
Saudi Aramco



**Mohammed
Benckekchou**
Director, Strategic Accounts
**Shell - Criterion
Catalyst Co Ltd**



Mubarak Al-Mutairi
Manager
Technical Services
MAB Refinery
KNPC



Nader A. Milibari
Division Head, Refinery
Maintenance Reliability
& Technical Support
Saudi Aramco



Nathan Ergonul
General Sales
Manager, ME
ART



Raj Jhaharia
Technical Manager
GDA



Saifuddin Sheikh
Director Business Consulting
Operations
AspenTech



Sandeep Goel
Director Business
Development, ME
McDERMOTT



Shaalan Al Zahrani
General Manager
Technical
S-Chem



Yaming Jin
Science Specialist
Refining Development Team
Saudi Aramco



Dr. Zainab Ali Mohamed Ali
Assistant Professor
University of Bahrain

Organizing Committee Members



Abdulaziz Alfayez
Division Head
Capital Efficiency - DR & NGLF
Saudi Aramco



Ahmed Mulhim
Coordinator, Planning
& Performance Management
Saudi Aramco



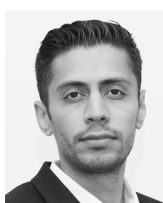
Alexis Neron Bancel
Managing Director
ME3



Claudia Hardt
Communication
& Marketing Manager
**GDA - Gulf Downstream
Association**



Dr. Hassan J Al-Fardan
Head Promotion
Conferences
NOGA



Karan Kukreja
Project Manager
ME3



Khalid Sabbagh
GM, Special Assignment
BAPCO



Mohammad S. Al-Shahrani
Manager, Domestic JV
Management Dept.
Saudi Aramco



Mutaz Al Ghamdi
Public Relations
GDA



Nawaf Al-Ghanem
Manager, Public Relations
BAPCO



Noor Talal
Marketing & Communications
Specialist
GDA



Raunaq Jamal
Regional Director
ME3



Satish U.
Sales Manager
ME3



Wail Gahwagy
Planning & Programming
JEC Department
Saudi Aramco



Walid Al Ghawas
Manager, Research
& Technology
KNPC

DAY 1 Tuesday, 23 Oct 2018

07:30 Registration

10:00 - 11:00 Opening Ceremony

Moderator:

Eithne Treanor Managing Director, E Treanor Media

His Excellency Bakheet Al-Rashidi Minister of Oil, State of Kuwait

His Excellency Shaikh Mohamed bin Khalifa Al Khalifa Minister of Oil, Kingdom of Bahrain

Suleman A. Al-Bargan Vice President, Domestic Refining & NGL Fractionation, Saudi Aramco

11:00 - 12:00 Exhibition Opening

Guest of Honor:

His Royal Highness Prince Khalifa bin Salman Al Khalifa Prime Minister, Kingdom of Bahrain

11:00 - 12:00 Technical Sessions - 2 Streams

| Innovation & Technology 📍 Palm Hall | Improvements 📍 Al Seef |
|---|---|
| <p>Moderator: Dr. Hayat Yusuf Assistant Professor, University of Bahrain</p> | <p>Moderator: Dr. Basim Abussaud Assistant Professor, King Fahd University of Petroleum & Minerals (KFUPM)</p> |
| <p><i>Haldor Topsøe's Advances in Catalysts for Hydrocracking Pre-treatment and ULSD Production</i></p> <p>Speaker: Soren Mikkelsen Sales Liaison Officer, Haldor Topsøe A/S - Main</p> | <p><i>Fuel Oil Conversion Project at Kuwait Petroleum International RaM Refinery: Strategic Response to 2020 Challenge</i></p> <p>Speaker: Xander de Jong Principal Process Engineer, R&D, Q8 - Kuwait Petroleum International Ltd</p> |
| <p><i>First Integrated Hydrocracker-DHT Unit in ME - Its Design, Challenges and Benefits</i></p> <p>Speakers: Alok Srivastava Advanced Refining Technologies (ART) Keshav Nagarhalli Oman Oil Refineries and Petroleum Industries Company SAOC (ORPIC) Talal Al Rawahi Oman Oil Refineries and Petroleum Industries Company SAOC (ORPIC)</p> | <p><i>Capturing the Maximum Value From The Bottom of The Barrel</i></p> <p>Speaker: Gurminder Singh Director, Technology Licensing - MENA, Shell Global Solutions International</p> |
| <p><i>New Innovative Approach to Increase Isomerization Throughput and Octane Booster</i></p> <p>Speaker: Edward Griffiths Principal Process Engineer, KBR</p> | <p><i>Heavy Oil Upgrading Strategies for Improved Refinery Economics</i></p> <p>Speaker: Gary Brierley Project Development Manager, Honeywell UOP</p> |

12:00 - 13:00 Lunch & Networking

Tuesday, 23 Oct 2018 (cont.)

13:00 - 14:30 Panel Discussion - Future of Fuels

This session will discuss the future of the downstream business with focus on the products demand, economics and future outlook. The session will aim to share different opinions from refiners, consumers, technology providers and regulators on the future of Downstream.

Moderator:

Eithne Treanor Managing Director, E Treanor Media

Panelists:

Suleman A. Al-Bargan Vice President, Domestic Refining & NGL Fractionation, Saudi Aramco

David H. Witte Sr. VP & Division Head, Energy & Natural Resources, IHS Markit

Jean Sentenac Chairman & CEO, Axens

Francois Good Sr. Vice President, Refining & Petrochemical, TOTAL

14:30 - 15:00 Coffee & Networking

15:00 - 16:30 Technical Sessions - 3 Streams

| Digitalization 📍 Palm Hall | Innovation & Technology 📍 Al Seef | Improvements 📍 Al Fanar |
|--|--|--|
| Moderator: Mohamed Al Haddadi Manager, Corporate Excellence Department, ADNOC | Moderator: Dr. Zainab Redha Assistant Professor, University of Bahrain | Moderator: Nathan Ergonul Business Director, Advanced Refining Technologies |
| <i>KNPC's Smart Refinery: Maximo Oil & Gas Enterprise Solution</i> Speaker: Nabeel Haidar Team Leader, IT Enterprise Application, KNPC | <i>A New Olefins Selective Cracking Catalyst for Maximum Propylene Production from FCC Units</i> Speaker: Yaming Jin Science Specialist - Refining Development Team; Chairperson - Technology (GDA Stream), Saudi Aramco | <i>Pilot Plant Study for Hydrocracker Catalyst Selection</i> Speaker: Harbeyah Al-Enezi Process Engineer, KNPC |
| <i>Fault Detection and Diagnosis in Chemical Processes using Big Data Analytics</i> Speaker: Dr. Mohamed Bin Shams Associate Professor, University of Bahrain | <i>Blockchain Technology in Oil & Gas Sector</i> Speaker: Qais AlDoub Senior Networks and Security, IT, Kuwait Integrated Petroleum Industries Company (KIPIC) | <i>Next-Level Hydrocracker Flexibility: Unlocking High Performance in Today's Turbulent Markets</i> Speaker: Simon Cackett Licensing Technology Manager, Shell Global Solutions International |
| <i>Sensor Data Analytics based on DNV GL's Anomaly Detection Tool using Linear Regression Models</i> Speaker: Jorn Veenstra Specialist Pipeline Integrity, DNV GL - Oil & Gas | <i>Direct Catalytic Cracking of Crude Oils to Produce Petrochemicals Feedstock</i> Speaker: Dr. Gnana Pragasam Singaravel Catalysis Section Head, ADNOC | <i>BAPCO Hydrocracking Unit: A Decade of Success</i> Speaker: Velmurugan Venkatesan Process Specialist Hydrocracking, BAPCO |

16:30 - 16:45 Daily Raffle Draw

19:00 Gala Dinner & Awards Ceremony (By invite only)

📍 Four Seasons Hotel, Bahrain Bay

DAY 2 Wednesday, 24 Oct 2018

07:30 Registration

08:30 - 10:00 Technical Sessions - 3 Streams

| Integration 📍 Palm Hall | Energy 📍 Al Seef | Improvements 📍 Al Fanar |
|---|--|---|
| Moderator: Mathew Clingerman Director, FCC Technology, KBR | Moderator: Sanjay Gupta Senior Energy Coordinator, Saudi Aramco | Moderator: Mubarak Al-Mutairi Manager, Technical Services, MAB Refinery, KNPC |
| <i>Refinery and Base Oil Plant Synergy - BAPCO's Successful Venture in Lubricant Development, Testing and Commercialization</i> Speaker: Mohamed Ahmed Hejres Technical Sales & Services Supervisor, BAPCO | <i>Finding the Optimum Coal to Nethawal Process Design: a Simulation Case Study</i> Speaker: Siddig Seedahmed Siddig King Fahd University of Petroleum & Minerals (KFUPM) | <i>Boiler Chemical Injection System Design Modification for More Effective and Optimum Operation</i> Speaker: Albara A. Al-Harbi Operation Engineer, Saudi Aramco |
| <i>Profit Pivot Points in a Refinery - Petrochemical Integrated Complex</i> Speaker: Nick Kinnis Business Development, McDERMOTT | <i>Reliable Operation Window for Variable Speed Driven Pumps</i> Speaker Ahmed Al Kubaish Maintenance Engineer, Saudi Aramco | <i>New Crude Heater For Better Efficiency, Reliability and Environment Performance</i> Speaker: Raj Ghetia Acting Process Specialist, BAPCO |
| <i>Refining and Petrochemical Integration: Highway to Success</i> Speaker: Emilie Rousseau Sales Development Manager, Axens | <i>Pressure Energy Recovery Practical Case Study in Yanbu Refinery</i> Speaker: Raad B.Mulla Saudi Aramco | <i>3D TRASAR Technology Application for Improved Crude Distillation Overhead Chemical Injection</i> Speaker: Mahmoud Alkahlout Crude Complex Operation Engineer, Saudi Aramco |

10:00 - 10:30 Coffee & Networking

10:30 - 12:00 Panel Discussion - Future of Energy

Discuss the future of the energy demand and new technologies that will impact the downstream business. The session will aim to highlight the latest developments in the future of the energy mix in the world and in GCC and its impact on Downstream.

Moderator:
Tor Fjaeran President, WPC - World Petroleum Council

Panelists:
Dr. Sun Xiansheng Secretary General, International Energy Forum (IEF)

Dr. Peter Bartlett Chief Executive Officer, BAPCO

Dr. Andrea Lovato Chief Technology Officer, Acwa Power

David M. Johnson President and CEO, Achates Power

Dr. Alexander Ritschel Head of Technology, Masdar - a Mubadala Company

12:00 - 13:00 Lunch & Networking

13:00 - 14:30 Technical Session - 3 Streams

Wednesday, 24 Oct 2018 (cont.)

13:00 - 14:30 Technical Session - 3 Streams

| Integration 📍 Palm Hall | Energy 📍 Al Seef | Improvements 📍 Al Fanar |
|--|---|---|
| Moderator: Mathew Clingerman Director, FCC Technology, KBR | Moderator: Sanjay Gupta Sr. Energy Coordinator, Saudi Aramco | Moderator: Joseph Ibrahim Managing Director, AXENS |
| <i>Petrochemical Integration: Essential to Middle East Refining?</i> Speaker: Alan Gelder VP Refining, Chemicals & Oil Markets, Downstream Global Content Lead, Wood Mackenzie | <i>Towards Sustainable Operations in Kuwait Integrated Petroleum Industries Companies (KIPIC)</i> Speaker: Hannan Bader Mohammad Al Qanai Sr. Eng. Environment, Kuwait Integrated Petroleum Industries Company (KIPIC) | <i>Asset Performance Management in Digital Era</i> Speaker: Daniel Rodas Baker Hughes, A GE company |
| <i>Profitable Schemes to Maximize Refinery Profits Post 2020</i> Speaker: Fadi Mhaini Director Technology Licensing, McDERMOTT | <i>Innovative Solutions for Resid Upgrade and Improved Refinery Margins</i> Speaker: Cassandra Schoessow Sr. Technical Professional Leader, KBR | <i>Leveraging Benchmarking for Continuous Improvement towards Operational Excellence</i> Speaker: Srinivas Badithela Sr. Excellence Engineer, Corporate Support Division, ADNOC Refining |
| <i>Opportunity Through Synergy in Kuwait Refinery and Petrochemical Plants</i> Speaker: Ahmad Al-Failakawi Manager, Manufacturing Optimization Group, KNPC | <i>Towards Energy Efficiency and Profitability - Unlocking Hydrocracker Full Potential through Operational Adjustment</i> Speaker: Mahmoud Ibrahim Process Engineer, RTR Refinery Operation Engineering Unit, Saudi Aramco | <i>SASREF Reliability Transformation</i> Speaker: Ahmed Ismail Defect Elimination Engineer, SASREF - Saudi Aramco Shell Refinery Company |

14:30 - 15:00 Coffee & Networking

15:00 - 16:30 Human Capital Efficiency (Round Table)

Discuss current challenges and best practices in acquiring and developing talent in downstream. The session will also highlight the collaboration between Academia, Research and Development with Downstream business.

Moderator:
Roddy Herbert Koru International Limited

Speakers:
Dr. Prof. Riyad Yousuf Abdulaziz Hamzah President, University of Bahrain

Suleyman M Ozmen Vice President, Downstream Licensing (Retired)
Shell Global Solutions International

Muna Al Suwaidi Vice President, Human Capital Division, ADNOC Refining

Nooruddin Ahmed Co-Founder, CERTERO Business Corporation

Wednesday, 24 Oct 2018 (cont.)

15:00 - 16:30 Technical Session - 2 Streams

| Innovation & Technology 📍 Al Seef | Digitalization 📍 Al Fanar |
|--|---|
| <p>Moderator: Dr. Anissa Sedjerari Research Center Liaison Officer, Innovation & Economic Development Department, KAUST Catalysis Center</p> | <p>Moderator: Muhammed Bingol Process Automation & Digitalization Engineer, Saudi Aramco</p> |
| <p><i>Journey towards Hydrocracker Operational Excellence Through Strategic Collaboration</i></p> <p>Speaker: Deepak R D Senior Hydrocracking Technical Services Consultant, Shell Global Solutions International</p> | <p><i>Demystifying Digitalization Challenges towards Successful Downstream Industry Deployment</i></p> <p>Speaker: Dr. Pratap Nair President & CEO, Ingenero Inc</p> |
| <p><i>K-SAAT - A Breakthrough Solid Acid Alkylation Technology</i></p> <p>Speaker: Edward Griffiths Technology Manager, K-SAAT and MAX ISOM, KBR</p> | <p><i>Advanced Digital Services to achieve Higher Plant Flexibility and Performance</i></p> <p>Speaker: Nicolas Menet Consulting Solutions Sales Manager, Axens</p> |
| <p><i>Addressing Base Oil Color and Stability Issues using UOP HPNA RM Adsorption Technology</i></p> <p>Speaker: Rajesh Sivadasan Principal Hydroprocessing Technology Specialist, Honeywell UOP</p> | <p><i>Digital Operator Rounds Deployment at KNPC: Challenges and Opportunities</i></p> <p>Speaker: Abdulaziz Al-Duajj IT Manager, KNPC</p> |

16:30 - 16:45 Daily Raffle Draw

DAY 3 Thursday, 25 Oct 2018

07:30 Registration

08:30 - 10:00 Technical Sessions - 3 Streams

| Innovation & Technology 📍 Palm Hall | Digitalization 📍 Al Seef | Improvements 📍 Al Fanar |
|---|--|---|
| Moderator: Hamza Alawi Technology Sales Executive, McDERMOTT | Moderator: Mazen Hendawi Sr. Regional Sales Account Manager - Process Technology & Equipment , Honeywell UOP | Moderator: Joseph Ibrahim Managing Director, Middle East, Axens |
| <i>Innovative Approach for Refinery Capacity Creep</i> | <i>Enterprise Wide Electronic Shift Hand-Overs</i> | <i>New Innovative Concrete Technology to Improve Terminal Asset Integrity and Safety</i> |
| Speaker: Prabhas Mandal Engineering Specialist, Saudi Aramco | Speaker: Dr. Nicholas Hurley International Technical Director, j5 International | Speaker: Darren Hughes International Business Development Manager, Concrete Canvas Ltd. |
| <i>In-House Profit Improvement Program in ADNOC Refining</i> | <i>Advanced Work Packaging: A Game Changer in Oil and Gas Project Management</i> | <i>Rotating Equipment Interchangeability Program</i> |
| Speaker: Ali Mohamed Al-Mansoori Manager, Planning & Supply Chain Department, ADNOC Refining | Speaker: Abdelghani Sinno Sr. Construction Consultant- Application Engineer, Bentley Systems, Incorporated | Speaker: Abdul Rahman Algwaiz Saudi Aramco |
| <i>Advanced Process Control Plant - Wide Optimization in Ras Tanura Refinery</i> | <i>IT/OT Maturity Framework Deployment in KIPIC</i> | <i>Ras Tanura Refinery Desalination Plant Journey towards Operational Excellence</i> |
| Speakers: Feras Alanazi Engineering Supervisor, Saudi Aramco Seheon Choi Advance Process Control (APC) Engineer, Saudi Aramco | Speaker: Ahmad A. Almulaifi Manager, IT Group, Kuwait Integrated Petroleum Industries Company (KIPIC) | Speaker: Hassan Abu Al-Saud Process Engineer, ROED Utility Unit, Saudi Aramco |

10:00 - 10:30 Coffee & Networking

10:30 - 12:00 Panel Discussion - Future of Margins

Discuss the future of the refining margins and how to maintain competitiveness in the future environment. The session will provide insights on the characteristics of profitable facilities, integration and upgrade options, digitalization and benchmarking with other regions.

Moderator:
Hafedh Al-Qassab General Manager, Refining, BAPCO

Panelists:
Norm Gilsdorf President, Middle East, Turkey, Russia, Central Asia, Honeywell

Othman Al-Ghamdi Chief Executive Officer, S-Oil Corporation

Francesco Palmieri Senior Partner & MD, The Boston Consulting Group (BCG)

Steven McCoskey Vice President, Operations, Solomon Associates

12:00 - 13:00 Lunch & Networking

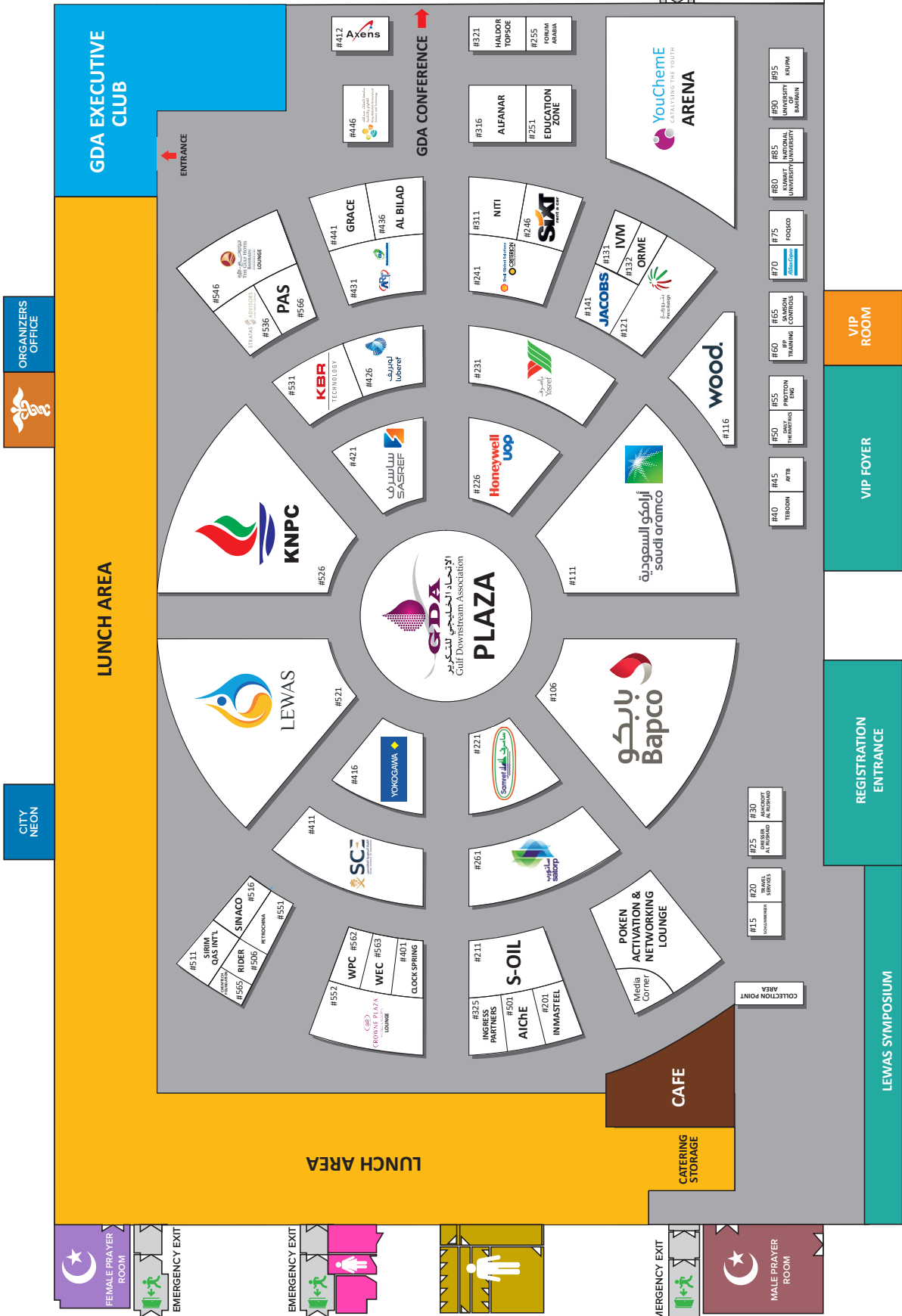
Thursday, 25 Oct 2018 (cont.)

13:00 - 14:30 Technical Sessions - 3 Streams

| Innovation & Technology 📍 Palm Hall | Digitalization 📍 AI Seef | Improvements 📍 AI Fanar |
|---|--|---|
| <p>Moderator: Feras Al Anazi Engineering Supervisor, Saudi Aramco</p> | <p>Moderator: Khalifa Al Qallaf Joint Venture Management Manager, Q8 - Kuwait Petroleum International Ltd</p> | <p>Moderator: Mohammed Benchekchou Regional Manager MENA, Shell - Criterion Catalyst Co Ltd</p> |
| <p><i>First Industry Artificial Intelligence Application in Crude Refinery</i></p> <p>Speaker: Bilal Abdallah Manager, Maana</p> | <p><i>Facing Challenges and Changes in Industrial Cybersecurity</i></p> <p>Speaker: Mohammed Nabeel Network Security Solution Consultant, Yokogawa MEA</p> | <p><i>Increased Heavy Naphtha Draw from Condensate Distillation Unit through Rigorous Simulation Debottlenecking</i></p> <p>Speaker: Dr. Mohammad Shamsuzzoha ADNOC Refining</p> |
| <p><i>Digital Operator Advisory System - A New Era of Operator Collaboration</i></p> <p>Speaker: Saptarshi Bhowmick PSS Department Manager Yokogawa MEA</p> | <p><i>Reaping the Rewards of Digital Transformation - The \$6.5 Million Savings Journey</i></p> <p>Speaker: David Ross Middle East Strategy Lead Petrotechnics</p> | <p><i>Retrofitting Existing Reactors - A Novel Approach to Modernization</i></p> <p>Speakers: Rajan Jawale Product Line Manager, Chevron Lummus Global Hussain Al -Mutairi Eng. -B, Process, Kuwait National Petroleum Company (KNPC)</p> |
| <p><i>Salient Technologies / Design Features adopted in KNPC's (Kuwait National Petroleum Company) Clean Fuels Project</i></p> <p>Speakers: Daniel Jeyasankar Process Engineer, KNPC Wasemia Abdullah F Alshammari Process Engineer, Kuwait National Petroleum Company (KNPC)</p> | <p><i>Kuwait Integrated Petroleum Industries Company (KIPIC) Readiness to Industry 4.0</i></p> <p>Speaker: Hadla S. AlFedaghi Engineer, Networks and Security, IT, Kuwait Integrated Petroleum Industries Company (KIPIC)</p> | <p><i>Fluid Catalytic Cracking Reactor Simulation Model at SAMREF</i></p> <p>Speaker: Abdullah Alraddadi Process Engineer, SAMREF</p> |

14:30 - 15:00 Coffee & Networking

15:00 Closing Ceremony & Mega Raffle Draw



- Legend
- EMERGENCY EXIT
 - FEMALE PRAYER ROOM
 - MALE PRAYER ROOM
 - TOILET (LADIES)
 - TOILET (GENTS)
 - MEDICAL
 - FEMALE PRAYER ROOM
 - MALE PRAYER ROOM

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