“NATURAL GAS VALUE CHAIN
OPPORTUNITIES AND CHALLENGES”
17 - 19 March 2020 | The Regency Hotel, State of Kuwait
# GPA GCC Chapter - Conference Agenda

**DAY 1 - MORNING SESSION**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>07:00 – 08:30</td>
<td>Conference Registration</td>
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<tr>
<td>08:30 – 08:50</td>
<td>Opening Remarks</td>
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<tr>
<td>08:50 – 09:10</td>
<td>Keynote Speech 1</td>
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<tr>
<td>09:10 – 09:30</td>
<td>Keynote Speech 2</td>
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<tr>
<td>09:30 – 10:00</td>
<td>Award Ceremony</td>
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<tr>
<td>10:00 – 10:30</td>
<td>Exhibition Opening</td>
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<tr>
<td>10:30 – 10:45</td>
<td>Coffee Break</td>
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</tbody>
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**TUESDAY, 17th MARCH 2020**

**Hamad Al Zuwayer**  
*Chairman*  
GPA GCC Chapter

**Keynote Speech 1**  
**H.E. Dr. Khaled Al-Fadhel**  
*Minister of Oil & Minister of Electricity & Water, State of Kuwait*

**Keynote Speech 2**  
**Emad Mahmoud Sultan**  
*CEO*  
Kuwait Oil Company (KOC)

**Award Ceremony**  
**H.E. Dr. Khaled Al-Fadhel**  
*Minister of Oil & Minister of Electricity & Water, State of Kuwait*
DAY 1 - MORNING SESSION
TUESDAY, 17th MARCH 2020

10:45 – 11:45 Panel Discussion
Theme: Future of Natural Gas Market Supply & Demand in the GCC

Moderator
Mohammad Hussain
Former CEO of EQUATE Petrochemical Company & Former VP of Gas Exploration/Operations
Kuwait Oil Company

Panelist
Mohammad Al-Zuabi
Deputy CEO - West Kuwait Operations
Kuwait Oil Company

Panelist
Gadeir Alqadfan
Deputy Managing Director
Local Market Operations
Kuwait Petroleum Corporation

Panelist
Mahmoud Al-Baloushi
Chief Commercial Officer
Oman LNG

Panelist
Jassim Isa Al Shirawi
General Manager – Oil & Gas Affairs, National Oil and Gas Authority

11:45 – 12:45 Prayer & Lunch Break

12:45 – 13:15 Poster Session
DAY 1 - AFTERNOON SESSION

TUESDAY, 17th MARCH 2020

HALL 1

13:15 – 13:40
Gas to Liquid Technology, a Game-Changer for Gas Business in Kuwait?
Presenter: Mohamed Rizwan

13:40 – 14:05
How Much CO\textsubscript{2} Removal is Enough for NGL Recovery?
Presenter: Amy Claire Howard

14:05 – 14:30
NGL Recovery from BGP
Presenter: Ayman M. Mohammad

HALL 2

13:15 – 13:40
Impact of Methanol in Gas Processing and its Mitigation
Presenter: Rathina Sabapathi

13:40 – 14:05
Saudi Aramco Innovative Approach for Deep Carbonyl Sulfide (COS) Removal at NGL Fractionation Plants
Presenter: Eid Al-Helal

14:05 – 14:30
Eliminating Black Powder using Wettability Alteration Method to the Gas Pipeline Internal Surfaces
Presenter: Mohammad Sabti

14:30 – 14:45
COFFEE BREAK
DAY 1 - AFTERNOON SESSION

Theme: LNG, NGL & GTL
Session Chair: Abdul Hadi Al-Huwailah
Team Leader Gas Maintenance South & East Kuwait Team

14:45 – 15:10 HALL 1
Kuwait LNG Value chain – An approach for Commercial Management
Presenter: Bader Hussain Alkankouni

15:10 – 15:35 HALL 1
Design of Thermodynamic Model to Estimate LNG and BOG Quantity and Quality at Arrival Terminal
Presenter: Nafisa Yousif

15:35 - 16:00 HALL 1
Encountered Technical Problem in NGL Recovery Section of CGP-3
Presenter: Abdulla Ebrahim Almsmari

14:45 – 15:10 HALL 2
Gas Pre-Conditioning Enhancement to Reduce Contaminants Carryover
Presenter: Mohammed Al Rumaih

15:10 – 15:35 HALL 2
Black Powder Removal from Natural Gas – Get the Right Design
Presenter: Olivier Trifilieff

15:35 - 16:00 HALL 2
Mitigation of Slugging Problem at Feed Gas Pipelines – Saudi Aramco Experience
Presenter: Muhammad Tariq

16:00 – 16:10 CLOSING REMARKS
END OF DAY 1
Day 2 - Morning Session

Theme: Gas Treating & Sulfur Recovery
Session Chair: Yousif Al-Enezi
Team Leader Value Chain Optimization

08:00 – 08:25 HALL 1
Trending Tragedy - Why Amine System Fail
Presenter: Philip le Grange

08:25 – 08:50 HALL 1
Unconventional Solution for SRU Reactor 1 Pressure Drop
Presenter: Anand Kumar Singh

08:50 – 09:15 HALL 1
Sourness Challenges and Mitigations
Presenter: Jacques Manuel

08:00 – 08:25 HALL 2
Operational Excellence in Value Optimization for Condensate Recovery in KOC Rich Gas Slug Catcher Facility Case Study
Presenter: Shafi Hamad Al-Ajmi

08:25 – 08:50 HALL 2
Alternative Flow Schemes to Debottleneck AGRUs
Presenter: Nathan Smith

08:50 – 09:15 HALL 2
Managing Plant Availability and Flexibility
Presenter: Walid Hani

09:15 – 09:30
COFFEE BREAK

09:30 – 10:00
POSTER SESSION
DAY 2 - MORNING SESSION

Theme: Gas Treating & Sulfur Recovery
Session Chair: Ghanim Uermish Al-Jerayyed
Team Leader Gas Maintenance North & West Kuwait Team

10:00 – 10:25 HALL 1
The Next Generation Solvents for Super Selective Hydrogen Sulfide Removal
Presenter: Jay Habayeb

10:25 – 10:50 HALL 1
Kauther Gas Plant – Impact of H₂S Scavenger on the Performance of Glycol/Glycol Heat Exchanger
Presenter: Marwa Mohammed AL-Harrasi

10:50 – 11:15 HALL 1
The Potential for Sour Gas to Position the Middle East as the Future Global Sulfur Hub
Presenter: Angela Slavens

11:15 – 11:45 HALL 1
Plant Reliability and Integrity – Integrity Assurance in an Ultra-Sour Gas Facility A case study
Presenters: Devendra Kumar Upadhyay

Theme: Optimization & Operational Excellence
Session Chair: Mohammad Bandar Matar
Team Leader, Operational Plng MAA Refinery

10:00 – 10:25 HALL 2
Optimization of Chemicals Consumption in Gas Operations Group Booster Stations
Presenter: Mishaal Alanzi

10:25 – 10:50 HALL 2
Delivering Cash Through Longer Lives for Mol Sieve Driers
Presenter: Marco Smaling

10:50 – 11:15 HALL 2
Modifying Control Logic to Improve Plant Availability
Presenter: Salem Khamis Alhebsi

11:15 – 11:45 HALL 2
Contingency Plan to manage North Kuwait Gas Production aligning with Kuwait Power Stations
Presenter: Nawaf Mohammed Alzafiri

11:45 – 12:45 PRAYER & LUNCH BREAK
<table>
<thead>
<tr>
<th>Time</th>
<th>Hall 1</th>
<th>Hall 2</th>
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</thead>
<tbody>
<tr>
<td>12:45 – 13:10</td>
<td>Sour Gas has a Sweeter Future: A Novel Approach with Hybrid Systems</td>
<td>Safety Controls in Process Operations Gathering Centers (GC) &amp; Booster Stations (BS)</td>
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<td>Presenter: Pinkesh Sanghani</td>
<td>Presenter: Krishna Rao Guntu</td>
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<tr>
<td>13:10 – 13:35</td>
<td>Challenges in Sour Gas Feed Processing at Mina Al Ahmadi AGRP and Improvements carried out in terms of Lesson Learnt and Best Practice</td>
<td>Regulated Asset Base (RAB) Implementation for Oman Gas Company</td>
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<td>Presenter: Rizwan Masood Ahmed</td>
<td>Presenter: Ms. Ghadeer</td>
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<tr>
<td>13:35 – 14:00</td>
<td>SRU Oxygen Enrichment for Lean Feed Acid Gas</td>
<td>High Corrosion Rate in Gas Sweetening Plant Case Study</td>
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<td>Presenter: Ismail Alami</td>
<td>Presenter: Mohammad Al-Hajeri</td>
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**POSTER SESSION**

14:00 – 14:30

**COFFEE BREAK**

14:30 – 14:45
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<th>14:45 – 15:10</th>
<th>HALL 1</th>
<th>14:45 – 15:10</th>
<th>HALL 2</th>
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<tr>
<td>Sand Drifting Impact on Kuwait Oil Company (KOC) Operation</td>
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<td>Excellence in Managing Turnaround</td>
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<tr>
<td>Presenter: Dr Saad Alsahlawi</td>
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<td>Presenter: Jasim Haji</td>
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<tbody>
<tr>
<td>Gas to Liquid Technology Adaptation of Flare Gas Recovery Application</td>
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<td>Internal Corrosion Monitoring Techniques in Gas Booster Stations</td>
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<tr>
<td>Presenter: Abdullmajeed Al Sanad</td>
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<td>Presenter: Abdul Wahab AL-Ahmad</td>
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<tr>
<th>15:35 – 16:00</th>
<th>HALL 1</th>
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<tr>
<td>Tier 3 Dynamic Fugitive Emissions Reporting</td>
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<tr>
<td>Presenter: Amro Al Habsi</td>
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16:00 – 16:10

AFTERNOON SESSION WRAP-UP AND CLOSING REMARKS

END OF DAY 2
DAY 3 - MORNING SESSION

Theme: Technology, Innovation & 4IR  
Session Chair: Yousif Al-Ajmi  
Team Leader GM&R

08:00 – 08:25  
HALL 1

Predict Compressor Gas and Liquid Flowrates through Neural Network Modelling  
Presenter: Mohit Narain

08:25 – 08:50  
HALL 1

Status and Future Applications of Membrane Technologies for Gas Separations  
Presenter: Andres M. Quesada Perez  
KISR

08:50 – 09:15  
HALL 1

Using Data Driven Analytical Models with Compositional Simulation in Doubling the LPG Production from Bahrain Field  
Presenter: Ali ALMuftah

08:00 – 08:25  
HALL 2

Challenges in Improving and Sustaining Higher Energy Efficiency in KNPC-MAA Refinery  
Presenter: Ghalia Al Azmi  
KNPC

08:25 – 08:50  
HALL 2

Hawiyah Gas Plant On-Line Steam System Optimization Study  
Presenter: Khalaf Oqab Alotaibi  
saudi aramco

08:50 – 09:15  
HALL 2

Utilizing Cold Energy Applications and its Challenges  
Presenter: Nawaf A Alsharhan  
KIPIC

Theme: Energy Efficiency  
Session Chair: Dr. Abdullaziz Al-Omair  
Associate Research Scientist

KISR

THURSDAY, 19th MARCH 2020
DAY 3 - MORNING SESSION

09:15 – 09:40 HALL 1
Latest Technologies in Natural Gas Processing
Presenter: Chandan Chattopadhyay

09:15 – 09:40 HALL 2
Debottlenecking of Central Gas Plants (CGP) Train-I & II
Presenter: Abdulla AlNoaimi

COFFEE BREAK

09:40 – 09:55

09:55 – 10:25 POSTER SESSION

Theme: Technology, Innovation & 4IR
Session Chair:
Bassam Jayed Al-Shammari
Team Leader IT Corporate

Theme: Energy Efficiency
Session Chair:
Abdullah Habib Al-Khaledi
Team Leader Gas Operations North & West Kuwait Team

10:25 – 10:50 HALL 1
Reducing Residual Risk before Operation Stage for Gas processing Facility Projects
Presenter:
Mazharuddin R. Shaikh

10:25 – 10:50 HALL 2
Achieving Energy Saving through Monitoring and Data Analysis
Presenter:
Francesco Anzelini

10:50 – 11:15 HALL 1
Molecular Engineering of Polymeric Materials for Improved Gas Sweetening Properties
Presenter:
Ali Hayek

10:50 – 11:15 HALL 2
Energy Efficiency Achievements in Gas Processing Operation
Presenter:
Mazin Al-Qasmi
## DAY 3 - MORNING SESSION

<table>
<thead>
<tr>
<th>Time</th>
<th>Hall</th>
<th>Description</th>
<th>Presenter</th>
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<tr>
<td>11:15 - 11:40</td>
<td>HALL 1</td>
<td>Production Maximization using Data Analytics</td>
<td>Khalid Abdullah Al Amri</td>
</tr>
<tr>
<td>11:40 - 12:05</td>
<td>HALL 1</td>
<td>Innovations in CO$_2$ Membranes for the Natural Gas Industry – Solving the Customer Problems</td>
<td>Alexander Brandl</td>
</tr>
<tr>
<td>11:15 - 11:40</td>
<td>HALL 2</td>
<td>Integrating De-Butanizer column with De-Propanizer column using state of the art technology</td>
<td>Hae Yong Noh</td>
</tr>
<tr>
<td>11:40 - 12:05</td>
<td>HALL 2</td>
<td>An Open-Equation Model To Perform Energy Accounting And Auditing System (EAASY) For KOC Upstream Facilities</td>
<td>Huda Al-Mutairi</td>
</tr>
</tbody>
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### AFTERNOON SESSION WRAP-UP AND CLOSING REMARKS

12:05 – 12:15

**PRAYER & LUNCH BREAK**

### END OF DAY 3
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<tr>
<th>Time</th>
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<th>Instructors</th>
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<tr>
<td>07:00 - 08:00</td>
<td>Registration</td>
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<tr>
<td>08:00 - 15:00</td>
<td>Workshops Timing</td>
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<tr>
<td>Workshop 1</td>
<td>The LNG Value Chain</td>
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<td>Malcolm Harrison, CEO, Harisiti Limited</td>
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<td>Kindra McGregor, Director - Oil and Gas Processing</td>
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<td></td>
<td>Workshop 2</td>
<td>Gas Conditioning &amp; Dewpoint Control</td>
<td>Kefah A. Al-Faddagh</td>
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<tr>
<td>Workshop 3</td>
<td>Sulphur Recovery</td>
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<td>Jan Kiebert, Regional Manager EMEA / Principal Engineer</td>
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<tr>
<td>Workshop 4</td>
<td>Process Integration &amp; Waste Heat Recovery</td>
<td></td>
<td>Abdul Rahman Hassan, Senior Gas Processing Engineer, KOC</td>
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<td>Workshop 5</td>
<td>Filtration and Separation</td>
<td></td>
<td>Martin Copp, Division Sales Manager, Parker Hannifin</td>
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<tr>
<td>Workshop 6</td>
<td>Basic Principals of Acid Gas Treatment and Sulfur Recovery Units</td>
<td></td>
<td>Elena Petriaeva, Technology Manager</td>
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<td>Ahraf Abu Faris, Sr. Technology Manager</td>
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<td>Andrew Phipps-Jones, Business Development Manager</td>
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</tbody>
</table>
THANK YOU EXHIBITORS

DIAMOND EXHIBITOR

GOLD EXHIBITORS

SILVER EXHIBITORS

BRONZE EXHIBITORS

PLATINUM EXHIBITOR
## CONFERENCE & WORKSHOPS FEES

### For Member Companies

<table>
<thead>
<tr>
<th>Event</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Conference</td>
<td>USD 1000</td>
</tr>
<tr>
<td>Workshop</td>
<td>USD 1200</td>
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<tr>
<td>Conference + Workshop</td>
<td>USD 2000</td>
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### For Non-Member Companies

<table>
<thead>
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<tbody>
<tr>
<td>Conference</td>
<td>USD 1100</td>
</tr>
<tr>
<td>Workshop</td>
<td>USD 1400</td>
</tr>
<tr>
<td>Conference + Workshop</td>
<td>USD 2300</td>
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</table>
Kuwait is one of the leading exporters of Petroleum in the world. Although an oil rich country, it has other features to proudly cater for its touristic aspirations, including Kuwait Towers, Liberation Tower (world's fourth tallest stand-alone building), The Grand Mosque, the National Assembly Building, the Entertainment City, as well as numerous iconic shopping malls and areas. Kuwait City, the capital, is known for its modern architecture, ranging from skyscrapers to the striking Kuwait Towers, water towers whose design recalls the tiled domes of a classic mosque. Kuwait has many public and private beaches, resorts, beautiful islands, and archaeological sites from the Greek era.

For Delegate Registration Contact:

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