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A Subsidiary of Kuwait Petroleum Corporation



Kuwait 4th Flow Measurement Technology Conference

 3-5 December 2019

 Hilton Kuwait Resort



CONFERENCE AGENDA



**Under the patronage of
His Excellency
Dr. Khalid Ali Al Fadel**
Minister of Oil and Minister of
Electricity and Water



Mr. Emad Sultan
CEO, Kuwait Oil Company (KOC)
Conference Chairman



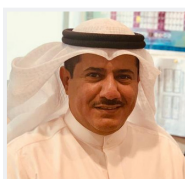
Mr. Mohammad Al-Zoubi
Deputy CEO of West Kuwait, Kuwait Oil
Company (KOC)
Head of Steering Committee



Mr. Abdulaziz Ahmed Al-Duaj
Deputy C.E.O. Support Services,
Kuwait National Petroleum Company (KNPC)
Member of Steering Committee



Mr. Rashed Al-Marri
Team Leader Export Oil Movement
and Measurement
Chairman of Technical Committee



Mr. Bader Al-Hudiah
Team Leader Career
Development & Planning
Member of Technical Committee



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AGENDA

DAY 1, 3 DECEMBER 2019

08:00 - 08:30 **Registration**

08:30 - 09:30 **Opening Session**
Conference Chairman
Keynote Presentation
Sponsors Recognition Awards

09:30 - 10:00 **Networking Break**

10:00 - 10:20 **Challenges to calibrate "on-site" a 212 Bbls Prover by Water-Draw Method**
Husain Alabdeen

KOC

10:20 - 10:40 **Case Study: Flow Measurement Accuracy - Loss /Gain**
Solaiman Alanezi

KNPC

10:40 - 11:00 **Combination of Uncertainties for Multi Streams Metering Systems**
David J. Woods

Intertek

11:00 - 11:20 **Innovations in Non-Gamma Multi Phase Flow measurement at wellheads**
Ninan Mathews

Emerson Automation Solutions

11:20 - 11:40 **Measures Towards Accurate Flow measurement Selection**
Yasser A. Mahmoud, Abdullah Al-Mutairi, Mahdi Al-Qazweeni

KOC

11:40 - 12:00 **Laboratory & Field Test Results for an Adjustable DP Cone meter**
Gavin Munro, Victor Gawski

GM Flow Measurement Services Ltd.

12:00 - 12:50 **Networking Break**

12:50 - 13:10 **Reconciling Flow Measurement Errors of a Gas Compression System**
Mohit Narain, GNV Sridhar and Jatin Ponda

KOC

13:10 - 13:30 **Evaluation of New Mixing Method for Pipeline Sampling at NEL Flow Facility**
E. Verloop, P. Verloop, R Harvey, E. Sveinsvoll, S Ovrebo

KPS, NEL, Aker BP

13:30 - 13:50 **Liquid meter proving using Master Meter proving Helical Blade Turbine Meters**
Solomon Rajkumar

Faure Herman

13:50 - 14:10 **Measurement Enhancement Through Technology**
Ben Leach

Swinton Technology Ltd

14:10 - 14:30 **Impact of Various variables that influence in the Flow Measurement through Orifice Metering System**

Nishant Janbandhu

KOC

14:30 - 15:00 **Lunch & End of Day 1**

AGENDA

DAY 2, 4 DECEMBER 2019

08:30 – 08:50 **Flowmeter for Chemical Injection**

L.R. Krishnan

KOC

08:50 – 09:10 **Moving to a True Predictive Maintenance Model for Ultrasonic Measurement Skids**

Max Gutberlet

Honeywell

09:10 – 09:30 **Flare Flow measurement - Precision and IR4.0 Tools**

Fawaz AlSahan

Saudi Aramco

09:30 – 09:50 **Shrinkage Quantity Measurement during vessel loading**

Khalid Suwaidan

KOC

09:50 – 10:10 **Networking Break**

10:10 – 10:30 **Reduce your wiring, not your expectations with 2-wire Coriolis flow and density measurement Technology**

Abhijit Singh

Emerson Automation Solutions

10:30 – 10:50 **Challenges in Gas Metering**

Mubarak Jaber Ali Al-Haddad & Adnan Dashti

KOC

10:50 – 11:10 **Challenges in Hydrocarbon Metering Management - Shearing some practical examples**

Ronal ten Cate

DNV-GL

11:10 – 11:30 **Networking Break**

11:30 – 11:50 **KNPC Refinery Effort Towards Reducing Hydrocarbon Loss & Flare Gas management**

Ahmed J. Al-Tarkeet

KNPC

11:50 – 12:10 **Advance Dual-Energy Multiphase Flow meter Performance in Challenging Environment - Case study from Kuwait**

Luis Thiagaraj / Hazim Ayyad

Schlumberger

12:10 – 12:30 **Data Validation and Reconciliation (DVR) Applications in Upstream Production Systems**

Amin Amin / Timothy Jadot

Belsim Engineering

12:30 – 12:50 **Networking Break**

12:50 – 13:10 **Exploring a New Generation of Meter Proving Technology**

Steve Stewart

FMD Distribution & Service

13:10 – 13:30 **A Saturated Steam Injection Meter**

Erik Sanford, Koichi Igarashi, Richard Steven

Vortek Inst., AZBIL, DP Diagnostics

13:30 – 13:50 **Back Pressure on Liquid Flow Measurement**

Henry Gomes

Intertek

13:50 – 14:10 **PVT - EOS Modelling in Multiphase Flow Metering**

Haluk Toral, Petroleum Software Limited

14:10 – 14:30 **Advantages, Disadvantages & Challenges of using Coriolis Meters**

Faraj Al-Qattan, KOC

14:30 – 15:00 **Lunch & End of Day 2**

AGENDA

DAY 3, 5 DECEMBER 2019

- 08:30 – 08:50 **Proficiency Test Program**
Mohammad Al-Katrash
KOC
- 08:50 – 09:10 **Finding the Missing Uncertainty: Water Injection Testing of Automated Crude Oil Sampling**
Duane Rowan
Cameron -SLB
- 09:10 – 09:30 **Implementation AGA 3 Function Block**
Ali Al-Quraini
KOC
- 09:30 – 09:50 **Plantweb Smart Metering System allows Companies to Achieve & Sustain Top Quartile Performance**
Karim Sahim Abdul
Emerson Automation Solutions
- 09:50 – 10:10 **Networking Break**
- 10:10 – 10:30 **An Overview of an Orifice Meter Verification System**
Kim Lewis and Ray Kutty
DP Diagnostics
- 10:30 – 10:50 **Flow Meters with "Heavy Oil"/Low Reynolds Number Flow**
Richard Steven, NH Rayan
DP Diagnostic and Measurement
- 10:50 – 11:10 **Flare Flowmeter Challenges**
Kanagasabai Sabapathi
KNPC
- 11:10 – 11:30 **Networking Break**
- 11:30 – 11:50 **Measurements in Leak Detection System for KOC Consumers Fuel Pipelines and Challenges**
Ghazi Al-Osaimi, Maju Allayse, Ahmad Abdulkareem
KOC
- 11:50 – 12:10 **Ultrasonics, Theory, Use and their Diagnostics Capabilities**
Lawson H Ramsay
Intertek
- 12:10 – 12:30 **Project Experience in Large Scale Implementation of MPFMs in an Entire Oil Field**
Haluk Toral & Arman Ilyassov
Petroleum Software Limited
- 12:30 – 12:50 **Networking Break**
- 12:50 – 13:10 **Case Study / Coriolis Meters for Beam Pump Wellhead Measurement - Best Practices and Benefits.**
Justin Hollingsworth
Emerson Automation Solutions
- 13:10 – 13:30 **Wet Gas Testing of Venturi, Coriolis & Ultrasonic Meter**
Aivin Young
KROHNE
- 13:30 – 13:50 **Closing Remarks & End of Conference**