



KUWAIT 3RD FLOW MEASUREMENT TECHNOLOGY CONFERENCE

19 - 21 NOVEMBER 2017
HILTON KUWAIT RESORT



Mr. Jamal Ja'afar
CEO, Kuwait Oil Company (KOC)
Conference Chairman



Mr. Ismail Abdulla Abul
Deputy CEO of West Kuwait
Head of Steering Committee



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

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Welcome Letter

Dear Respected Colleagues and participants,

After the rumble and successful celebration of the two previous editions of Kuwait Flow Measurement Technology for Oil & Gas Conference and Exhibition, I am very proud and pleased to announce the realization of the **Kuwait 3rd Flow Measurement Technology for Oil & Gas Conference** scheduled to be held on the 19th-21st November 2017 at the Hilton Kuwait Resort – Mangaf.

As per the previous conferences, the three days conference will be organized as a Prime Event in the Middle East region for Flow Measurement Technology in the Oil and Gas Industry. This event represents a unique opportunity to catch up on state of the art flow measurement techniques bringing together, NOCs and IOCs professionals, research institutions, manufacturers presenting new innovative products & services on the market and most important, take advantage of face-to-face meeting opportunities to enhance business relationships.

The scope of the conference is framed to cover topics related to Single-Phase Crude Oil Metering, Multi-Phase flow metering, Gas Measurement (including wet gas), Allocation and Custody Transfer Measurement, Flare Gas Measurement, Measurement Uncertainties and errors, Sampling and Lab analysis, Flow Computation and Calculation, among others. In addition to this, there will be an Exhibition at the Conference displaying innovative technologies, new products and services related to the O&G flow measurement and laying the foundations for networking and knowledge exchange.

In my role of Deputy CEO (WK) and the Head of the Steering Committee, I cordially invite you all to actively participate during the three days conference program and get the best of this extraordinary learning experience.

I look forward to your presence at the event.

Sincerely yours,



Ismail Abdulla Abul

Deputy CEO, West Kuwait Directorate, Kuwait Oil Company



Conference Overview

Kuwait 3rd Flow Measurement Technology for Oil & Gas Conference will be organized during the period 19th – 21st November 2017 as the premier event for measurement technology related to the oil and gas industry focusing on the practical application of measurement technology. The Conference is dedicated to disseminating the latest research results on all aspects of flow measurement. The Conference is an ideal environment for dialogue with business professionals and a great opportunity to make new business connections. At the Conference you will find key personnel from regulators, operators, manufacturers, research institutions and engineering companies, creating a unique opportunity to get updated on state of the art technology within oil and gas measurement.

STEERING Committee

Chairman

Mr. Ismail Abdulla Abul

Deputy CEO of West Kuwait

Head of Steering Committee

Members

Mr. Ali Sayed Hashem

Manager (Export Operations - KOC)

Mr. Hasan Mohd. Al-Shammari

Team Leader (Public Relations – KOC)

Mr. Bader Salem Al-Hudiah

Team Leader Career Development
& Planning – KOC)

Mrs. Noora Al-Soula

Chief Multimedia Information Team - KOC

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CONFERENCE **AGENDA**

Day One - 19 November 2017

08:30 - 09:30 **OPENING**

Mr. Ismail Abdulla Abul | Deputy CEO of West Kuwait, Head of Steering Committee

Mr. Dave Beckmann | SrVP Marketing Emerson (Retired), Keynote Speaker

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09:30 - 10:00 Networking Break

10:00 - 10:20 Resolving 0.25" Defect in 36" Field prover Gain of Millions Dollars

Al-Abdeen Hussain, KOC

10:20 - 10:40 The Importance of Calibrating at Service Condition - Temperature, Pressure, Viscosity and Reynold Number Effect

Dr Bruno Pinguet, NEL

10:40 - 11:00 Recent Trends in the Field verification of Flow meters

Chandramohan M C, Emerson Automation solutions

11:00 - 11:20 Dynamic Testing

Morten Marstein, Metering Specialist, TechnipFMC – Measurement Solutions

11:20 - 11:40 Comparison of Four Gas Measurement Technologies; Orifice, Turbine, Ultrasonic and Coriolis

David Fisher, Schlumberger

11:40 - 12:00 Q & A

12:00 - 12:50 Networking Break

12:50 - 13:10 Clamp-On Flow measurement Success stories in the Middle East

Marko Rosenthal, Flexim Middle east

13:10 - 13:30 Challenges in Multiphase Flow Meter Testing

Dennis Van Putten, DNV-GL

13:30 - 13:50 Multiphase Flow Surveillance Utilizing Clamp-On Sonar Metering

Ahmed Hussein & Siddesh Sridhar , Expro

13:50 - 14:10 Trends in Fiscal Electronic Measurement Systems

Alan L McCartney & Michael Saiphoo, OMNI Flow Computers, Inc.

14:10 - 14:30 Does DP Flow measurement have a place in today's technology driven world?

Craig McLaren, JWF Group

14:30 Lunch & End of Day 1

CONFERENCE **AGENDA**

Day Two - 20 November 2017

- 08:30 - 08:50** **Big Data Analytics and Field Tools for Insight in Flow Meter Errors**
Ronald ten Cate, Team Manager Flow Testing, Calibration & Services, DNV GL Oil & Gas
- 08:50 - 09:10** **Gas Chromatograph Design and Operation at Custody Transfer**
Huwaida Mubarak, K.S Sabapathi and Anil Kumar, KNPC
- 09:10 - 09:30** **Do You Trust your Metering System?**
Ben Leach, Managing Director, Swinton Technology Ltd., Swinton Technology Ltd
- 09:30 - 09:50** **Implementing a Global Best Practices Review for National Custody Transfer**
David Fisher, Schlumberger
- 09:50 - 10:10** Networking Break
- 10:10 - 10:30** **GE Flare Flow measurement & Combustion Control Solutions optimize operation cost & enable Environmental Regulations compliance**
Ramy Ahmed Diaa, GE Measurement & Control Solutions
- 10:30 - 10:50** **Advances in High Capacity Straight Tube Coriolis Flowmeter**
Phil Janosi, KROHNE
- 10:50 - 11:10** **Ultrasonic meters and Measurement Accuracy In Leak Detection**
Morten Marstein, Metering Specialist, TechnipFMC – Measurement Solutions
- 11:10 - 11:30** Networking Break
- 11:30 - 11:50** **How ISO 17025 Improves the accuracy in Laboratory and how it affects the measurement in Flow Meters**
Khaled Ahmad Ali, KOC
- 11:50 - 12:10** **Cost effective real time production optimization with well head water cut meters**
Babu Raman, Weatherford Oil Tool Middle East Ltd
- 12:10 - 12:30** **Custody Transfer Measurement & Oil Loss Control**
Qasim Barshovi, SGS Kuwait
- 12:30- 12:50** Networking Break
- 12:50 - 13:10** **Sampling Methods and Laboratory Analysis**
Sherif Koreish, Inspectorate – BV Company
- 13:10 - 13:30** **Evaluating New Generation Vibrating Tube Sensor for Density Measurement under Process Conditions**
E. H. Doorenspleet / Dr. A. Rieder, Endress+Hauser Flowtec AG
- 13:30 - 13:50** **Calibration Methods for Minimizing Uncertainties in Ultrasonic Meters**
Mohit Narin, GNV Sridhar & Vineet Singhal, KOC
- 13:50 - 14:10** **Importance of Quality Measurement in Flow metering/Custody Transfer/Flare gas applications**
Manoj Kumar, EQUATE Petrochemical Company
- 14:10 - 14:30** **Dynamic measurement of liquified natural gas (LNG)**
Herman Hofstede, KROHNE
- 14:30** Lunch & End of Day 2

CONFERENCE **AGENDA**

Day Three - 21 November 2017

08:30 - 08:50 Ultrasonic Flow meters - Accuracy and Repeatability

L.R. Krishnan, KOC

08:50 - 09:10 Improving Flow Measurement in Heavy Oils with a Multi-Parameter System

Dr. Asaad Kenbar, NEL

09:10 - 09:30 Latest Arrangement Of Hydrocarbon Products Pipeline Custody Metering Skid

Abdulrahman Al-Abdulkarim, Saudi Aramco

09:30 - 09:50 Metrology for LNGIII - Metrological Support for LNG and LBG as Transport Fuel

Dr. Asaad Kenbar, NEL

09:50 - 10:10 Networking Break

10:10 - 10:30 Balancing Cost and Risk in Metering - Technology Qualification of Flow Systems to control field robustness of flow solutions

Ronald ten Cate, Team Manager Flow Testing, Calibration & Services, DNV GL Oil & Gas

10:30 - 10:50 The "not So Small" Small Volume Prover: Exploring a new Generation of meter Proving Technology

Steve Stewart, FMD Distribution & Service

10:50 - 11:10 The Future of Metering Control Systems

Addy Baksteen, Honeywell

11:10 - 11:30 Networking Break

11:30 - 11:50 Remediation of Effect of gas on Liquid Flow Rate and Density-Based Watercut Measurement

Hollingsworth Justin, Emerson Automation solutions

11:50 - 12:10 Non Radioactive Multiphase Flow meter

Pan Dongjie, Shengli Oilfield Petroleum Instrument Factory

12:10 - 12:30 Custody Measurement Station Dynamic Measurement Uncertainty

Dean Wade, Kelton Engineering Ltd.

12:30 - 12:50 Networking Break

12:50 - 13:10 Multiphase Flowmeter Performance Verification

Audun Aspelund, Abbon

13:10 - 13:30 Flow Measurement Uncertainty: Standard Deviation and Standard Error of the Mean

Bassam Al-Otaibi, Senior Projects Engineer Corporate Projects III / Ahmadi Projects Group, Kuwait Oil Company KOC

13:30 Closing Remarks & End of Conference

