



OMAN

**MATERIALS, CORROSION
AND INTEGRITY SUMMIT 2024**

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شركة تنمية نفط عمان
Petro Oman Development Oman

Conference Program

8th Sep 2024 - Workshop

9th - 11th Sep 2024 - Conference & Exhibition
Oman Convention & Exhibition Centre

Track A

Corrosion & Materials



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OPENING CEREMONY

08:00 AM	REGISTRATION & NETWORKING
08:30 AM	CONFERENCE OFFICIAL INAUGURATION
08:35 AM	WELCOME MESSAGE
08:40 AM	OPENING REMARKS DR. TALAL AL NABHANI, CORROSION MANAGER, PETROLEUM DEVELOPMENT OMAN
08:50 AM	KEYNOTE SPEECH MR. ALAN THOMAS, AMPP INTERNATIONAL
09:00 AM	KEYNOTE SPEECH MR. CLYDE MAY, ASNT INTERNATIONAL
09:10 AM	KEYNOTE PRESENTATION – Impact and Progress in Leveraging Artificial Intelligence Applications for Monitoring, Detection, Predicting and Preventing Corrosion DR. SATYAM PRIYADARSHY, CEO, REIGNITE FUTURE
09:30 AM	SIGNING CEREMONY
09:40 AM	AWARD CEREMONY
10:00 AM	EXHIBITION OPENING AND BREAK

PROTECTIVE COATINGS & LININGS

10:45 AM **MODERATOR: MR. HUSSEIN AL SALMI,**
PETROLEUM DEVELOPMENT OMAN
TOPIC & SPEAKERS:

TOPIC: Advances in Drill Pipe and Completion String Coating for
Abrasion Wear Resistance and for Thermal Insulation.
SPEAKER: ROBERT LAUER, TUBOSCOPE - NOV

TOPIC: Identification of Corrosion Classification as per
ISO 9223 – Practical example from the Middle East.
SPEAKER: MANOJ ABRAHAM JEYARAJ, HEMPEL PAINTS

TOPIC: Insulative Coatings - Fit for Purpose - Reducing Boil-off,
Emissions & Corrosion.
SPEAKER: ARIN SHAHMORADIAN, SPI COATINGS

TOPIC: Rapid cure tank linings.
SPEAKER: RAKESH RAGHAVAN, AKZO NOBEL

12:15 PM **PRAYERS & LUNCH BREAK**

CORROSION MANAGEMENT

01:15 PM **MODERATOR: MR. ASHRAF AL AASMI, BP OMAN**
TOPIC & SPEAKERS:

TOPIC: 16-Inches Three Phases Production Header Pipelines Ili
Reports Detail Analysis And Evaluation
SPEAKER: RIKY BERNARDO, DALEEL PETROLEUM

TOPIC: Effective Corrosion Under Insulation (CUI)
Mitigation Strategies
SPEAKER: HUSSEIN DASSOUKI, ASPEN AEROGELS

TOPIC: PDO Corrosion Monitoring Challenges
SPEAKER: IBRAHIM AL-AZRI,
PETROLEUM DEVELOPMENT OMAN

SESSION TWO

TOPIC: Maintaining the integrity the steel structures of the jetties
SPEAKER: ASAAD AL MAQBALI, SOHAR PORT AND FREEZONE

02:35 PM COFFEE BREAK

SESSION THREE

NON-METALLIC MATERIALS

02:50 PM MODERATOR: MR. AHMED AL YAHYAEI - AMPP OMAN CHAPTER
TOPIC & SPEAKERS:

TOPIC: Non Metallics with a Special emphasis on Fiber Reinforced Plastics (FRP) – GRP/GRE as a Choice of Material.
SPEAKER: GAURAV BHENDE , POLYPLAST

TOPIC: Cold Bonding Solutions for the Repair and Protection of Assets
SPEAKER: RICHARD BYWATER, BELZONA LTD

TOPIC: LLRTP Comparative Analysis.
SPEAKER: YAHYA AL BULUSHI, OQ

TOPIC: Selection, Application and Design Engineering of Sustainable Plastic Piping Systems to Overcome Corrosion and Integrity Issues
SPEAKER: TAREK MAZOUB, GF CORYS LLC

END OF DAY ONE

DAY 2

08:00 AM REGISTRATION & NETWORKING

08:35 AM OPENING REMARKS – AMJAD AL KHARUSI,
AMPP OMAN CHAPTER CHAIRMAN

SESSION FOUR

DESIGN & ENGINEERING

08:45 AM MODERATOR: ABDUL KAREEM AL HINAI,
NAMA WATER SERVICES
TOPIC & SPEAKERS:

TOPIC: Evaluation of Corrosion in Water Systems.
SPEAKER: MAITHA AL NADDABI,
MUSCAT ENGINEERING CONSULTANCY

TOPIC: Practical Wells Casing Corrosion Management Strategy.
SPEAKER: BORIS THOMAS, PETROLEUM DEVELOPMENT OMAN

TOPIC: Challenges Faced in Design Materials Selection for Carbon
Capture, Storage & Transportation in the Oil & Gas Industry
SPEAKER: EMMANUEL MARCUS,
MUSCAT ENGINEERING CONSULTANCY

TOPIC: Renewability and Sustainability: A Nonconformist Primer
for Materials and Design Engineers
SPEAKER: PROF. DR. SAYYAD ZAHID QAMAR,
SULTAN QABOOS UNIVERSITY

10:10 AM COFFEE BREAK

KEYNOTE PRESENTATION

10:25 AM TOPIC: Corrosion Failures Predictability,
what possible and what's not possible?
SPEAKER: DR. FAISAL M AL-ABBAS, SAUDI ARAMCO

CORROSION AND EROSION PROTECTION

10:45 AM MODERATOR: ABDUL RAHMAN AL ABRI, OXY OMAN
TOPIC & SPEAKERS:

TOPIC: Vapor Corrosion Inhibitor (VCI) for Addressing Corrosion
Aboveground Storage Tanks Impregnated Soil Side Bottom
Inhibitor Delivery System (IDS)
SPEAKER: ARWA AL KINDI, HEMA OIL AND GAS

TOPIC: An innovative Corrosion Management Process Model by
introducing Online Monitoring of Cathodic Protection System
SPEAKER: REZA LABBAF, DANESH ARIA CO

TOPIC: Tank Bottom Soil Side (Weldable Corrosion Protection
Coating Technology)
SPEAKER: OMAR OBAID, NIMA ARABIA CO. LTD

12:05 PM PRAYERS & LUNCH BREAK

SESSION FIVE

KEYNOTE PRESENTATION

01:05 PM TOPIC: High-Temperature, High-Pressure Corrosion Inhibitor in Sour Conditions
SPEAKER: CK (CHEOLHO) KANG, CM TECHNOLOGIES, USA

MATERIAL SELECTION & CHARACTERISATION

01:35 PM MODERATOR: KHALID AL FAHDI, OQ
TOPIC & SPEAKERS:
TOPIC: The super-austenitic stainless steel grade Alloy 35Mo (UNS N08935) with excellent corrosion and mechanical properties for harsh corrosion environments within the refinery and petrochemical industry
SPEAKER: BARINDER GHAI, ALLEIMA

TOPIC: Well tubing Failure
SPEAKER: AMMAR AL BALUSHI, OQ

TOPIC: Surface Preparation & Coatings for Pipeline Protection
SPEAKER: BIJAY KUMAR, GULF INTERNATIONAL PIPE INDUSTRY LLC

TOPIC: Bi-Metal Pipe Solution for pipeline of Oil and Gas Industry
SPEAKER: XIAOFENG ZHU, ZHEJIANG JIULI HI-TECH METALS CO., LTD

TOPIC: Flare and Vent Systems Material Selection Challenges in High Pressure and High Temperature Critical Sour Environments
SPEAKER: AHMED AL YAHYAAI, PETROLEUM DEVELOPMENT OMAN

END OF DAY TWO

SESSION SIX

DAY 3

08:00 AM REGISTRATION & NETWORKING

08:35 AM OPENING REMARKS – DR. SALIM AL MAHROUQI.
TRUSTEE, AMPP OMAN CHAPTER

SESSION SEVEN

RISK ASSESSMENT AND MANAGEMENT

08:45 AM MODERATOR: MOHAMMED AL GHAFRI,
PETROLEUM DEVELOPMENT OMAN
TOPIC & SPEAKERS:

TOPIC: Corrosion Management: Assessing Threats and Barriers
Using a Scoring Approach
SPEAKER: BADAR AL MAZROUI, OQ

TOPIC: Factors of Risk-Based Inspection
SPEAKER: NASSER AL AZRI, PETROLEUM DEVELOPMENT OMAN

TOPIC: Risk-based Decision Making to Optimize Tank Asset
Integrity Management Using TANK-R
SPEAKER: NEEL BHATTACHARYA, OQ - SOHAR REFINERY

TOPIC: Corrosion of Steel Elements in Water and Wastewater
Conveyance and storage systems
SPEAKER: QUTAIBA NAJM ABDULLA, NAMA WATER SERVICES

10:20 AM COFFEE BREAK

SESSION EIGHT

EMERGING TECHNOLOGIES AND TECHNIQUES

- 10:30 PM

MODERATOR: SUFIYAN AL MAAMRI, SOHAR PORT & FREEZONE

TOPIC & SPEAKERS:

TOPIC: Corrosion Management Digitalization

SPEAKER: NAWRAS AL JABRI, OQ

TOPIC: Reliability of Mechanical Interference Fit compared to conventional welding

SPEAKER: AHMED AL KHALDI, PETROLEUM DEVELOPMENT OMAN

TOPIC: Sustainable Activated Zinc Rich Epoxy Primers with Extended Durability

SPEAKER: MUNZIR KHAN, HEMPEL PAINTS

TOPIC: PDO Journey on the First 3D Printed SS316L Impeller used in Sour Service

SPEAKER: RUQAIA RUSHEIDI, PETROLEUM DEVELOPMENT OMAN

SESSION NINE

CASE STUDY AND BEST PRACTICES

- 12:10 PM

MODERATOR: MR. MUNZIR KHAN, HEMPEL PAINTS

TOPIC & SPEAKERS:

TOPIC: Investigation of Hydrogen Embrittlement-Induced Failure in High Pressure Regulating Valve: A Case Study

SPEAKER: HUWAYNAA AL YAHYAI, BP OMAN

TOPIC: Mentoring Is Essential for Developing Competency

SPEAKER: ANDREW DUNCAN, INTERTEK

TOPIC: Successful Utilization of 1% Chrome in Downhole Well Tubing

SPEAKER: RUWAIDA AL MAHROOQI, TR ENGINEERING / OXY OMAN

TOPIC: Dynamic Decision-Making in Corrosion Management: A Case Study of 10" Sour Wet Gas Line

SPEAKER: YASIR AL BUSAIDI, PETROLEUM DEVELOPMENT OMAN

CLOSING

CLOSING CEREMONY

- 01:45 PM

CLOSING REMARKS

AWARD CEREMONY – NASSER BEHLANI AWARDS
- LUNCH & END OF THE CONFERENCE