



MAN

**MATERIALS, CORROSION
AND INTEGRITY SUMMIT 2024**

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Conference Program

8th Sep 2024 - Workshop
9th - 11th Sep 2024 - Conference & Exhibition
Oman Convention & Exhibition Centre

Track B

Integrity & Inspection



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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, PRESIDENT, AMPP INTERNATIONAL
09:00 AM	KEYNOTE SPEECH MR. CLYDE MAY, PRESIDENT, ASNT
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

SESSION ONE

NDE 4.0 (ARTIFICIAL INTELLIGENCE (AI), DIGITAL TWIN, DIGITAL TRANSFORMATION, ROBOTICS, REMOTE INSPECTIONS)

10:45 AM

MODERATOR: MR. HISHAM AL GHAFRI,
PETROLEUM DEVELOPMENT OMAN
TOPIC & SPEAKERS:

TOPIC: Leveraging Computer Vision for External Corrosion Assessment in the Era of NDE 4.0
SPEAKER: GANI SULTANOV, AIQ

TOPIC: Feasibility of Computed Radiography Testing (CRT) for Pipeline girth welds
SPEAKER: KHALID AL ALAWI,
PETROLEUM DEVELOPMENT OMAN

TOPIC: Benefits of using Robotics & AI into the energy sector
SPEAKER: NISHANT SINGH, MIS AERO

12:05 PM

PRAYERS & LUNCH BREAK

SESSION TWO

INSPECTION PRACTICES AND INTEGRITY MANAGEMENT FOR PIGGABLE, NON-PIGGABLE PIPELINES

01:05 PM

MODERATOR: MR. HAMED AL HINAI,
PETROLEUM DEVELOPMENT OMAN
TOPIC & SPEAKERS:

TOPIC: Inspection of 30inch Subsea Non-piggable Pipeline
SPEAKER: MOHAMED SAID SALIM AL-RASHDI, OQ

TOPIC: Corrosion Despite protection and Live leak repairs (Above /Underground /Under water)
SPEAKER: GOKUL JAYANTH, METALYTE PIPEWORKS UK

TOPIC: Journey Towards Zero Leak Case: A Case Study in A Small Field in Oman
SPEAKER: SALEM AL MAQBALI, MEDCO LLC OMAN

SESSION TWO

TOPIC: Piggig Unpiggable Pipelines
SPEAKER: JASON WEISS, ARGUS

02:30 PM COFFEE BREAK

SESSION THREE

**NON-INTRUSIVE CORROSION MONITORING SOLUTIONS
(ADVANCED NDT SOLUTIONS)**

02:40 PM MODERATOR: MR. MAHMOOD AL SULAIMANI,
PETROLEUM DEVELOPMENT OMAN
TOPIC & SPEAKERS:

TOPIC: Innovative Non-Intrusive Corrosion Monitoring:
Introducing Happy Monitoring for Infrastructure Integrity
SPEAKER: NADINE BLASER, ROYA INTERNATIONAL LLC

TOPIC: Detect and predict corrosion under insulation with fibre
optic technology simultaneously and continuously on 1000+
locations without removing any cladding
SPEAKER: DR. THIJS LANCKRIET, FLUVES NV

TOPIC: Acoustic Emission (AE) Inspection an Advanced NDE
Tool for Saving Cost & Time
SPEAKER: PUNEET PEEYUSH, ARISE GLOBAL GROUP

TOPIC: Overcoming UT Inspection Challenges with Digitalised
Embeddable Thickness Monitoring Sensors
SPEAKER: DR. STEFANO CUOMO, INDUCTOSENSE

END OF DAY ONE

DAY 2

08:00 AM REGISTRATION & NETWORKING

08:30 AM OPENING REMARKS – [ABDULAZIZ AL SAKITI](#),
[ASNT OMAN SECTION PRESIDENT](#)

SESSION FOUR

INSPECTION NDT TECHNOLOGIES FOR NON-METALLIC MATERIALS

08:40 AM [MODERATOR: MR. HILAL AL SHUHUMI](#),
TOPIC & SPEAKERS:

TOPIC: Advanced NDT Solutions for Quality Assurance In
Oil & Gas Industry

[SPEAKER: MOHAMMED ABUFOUR, SAUDI ARAMCO](#)

TOPIC: Challenges and Possible NDT solutions for
Inspection of Non-Metallic Materials

[SPEAKER: VIJAY SEBASTIAN](#),
[PETROLEUM DEVELOPMENT OMAN](#)

Topic: Enhancing Oil and Gas Inspection with
Infrared Thermography:

[SPEAKER: YASIR NASSRULLAH FADHIL, KENT](#)

10:00 AM COFFEE BREAK

SESSION FIVE

CORROSION AND INSPECTION DATA MANAGEMENT SYSTEMS

11:00 AM [MODERATOR: MR. ABDULAZIZ AL SAKITI](#),
[PETROLEUM DEVELOPMENT OMAN](#)
TOPIC & SPEAKERS:

TOPIC: Interplan – Corrosion management system

[SPEAKER: CRAIG WHITE, AKZONOBEL](#)

TOPIC: Digitized Integrity Data Management System (IDMS)

[SPEAKER: NIHAD AL BALUSHI, OQEP](#)
[MOHAMMED IMRAN, OQEP](#)

SESSION FIVE

TOPIC: Data -driven corrosion Management Strategy for Unpiggable Pipeline
SPEAKER: MUSAB IBRAHIM, INNERVATE ENGINEERING LTD

12:40 PM PRAYERS & LUNCH BREAK

SESSION SIX

BOILER AND HEAT EXCHANGER INSPECTION

01:40 PM MODERATOR: MR. VIJAY SEBASTIAN,
PETROLEUM DEVELOPMENT OMAN
TOPIC & SPEAKERS:

TOPIC: Miraah Cleaning and Inspection Journey
SPEAKER: MOHAMMED AL HUBAISHI,
PETROLEUM DEVELOPMENT OMAN

TOPIC: Integrity Challenges in Plant Utilities and Integrated Solutions
SPEAKER: JAVED NASAR, BUREAU VERITAS
HOOMAN TAKHTECHIAN, BUREAU VERITAS S.A. - ABU DHABI

TOPIC: Enhanced framework for integrity management and inspection of High-pressure power boilers
SPEAKER: RAMASETHU BALASUBRAMANIYAN, NTPC LIMITED

TOPIC: Reducing False Calls in HTHA Inspection through Phase Coherence Imaging (PCI)
SPEAKER: SABRI BABA, EVIDENT EUROPE GMBH – MEA

NDT IN HIGHER EDUCATION AND TALENT DEVELOPMENT

02:40 PM MODERATOR: DR. MOHAMMED AL KINDI,
PETROLEUM DEVELOPMENT OMAN

PANELLISTS:
MR. CLYDE MAY, ASNT INTERNATIONAL
DR. SULTAN AL OWAISI, AL HADITHA ENERGY SAOC
DR. ASHRAF AL HINAI, PETROLEUM DEVELOPMENT OMAN
DR. ABDULLAH AL SHABIBI, SULTAN QABOOS UNIVERSITY

END OF DAY TWO



DAY 3

08:00 AM REGISTRATION & NETWORKING

08:15 AM OPENING REMARKS

SESSION SEVEN

**NEW TECHNOLOGIES FOR TANK INSPECTION & INTEGRITY ROBOTICS AND
UAV TECHNOLOGIES FOR REMOTE INSPECTION**

08:25 AM MODERATOR:
TOPIC & SPEAKERS:

TOPIC: BIM implementation in Oman construction industry
SPEAKER: THURAIYA AL HINAI, ICEM

TOPIC: Advanced Robotics for Oil and Gas Applications
SPEAKER: HISHAM AL GHAFRI,
PETROLEUM DEVELOPMENT OMAN (PDO)
MOHAMMED AL SAIDI,
PETROLEUM DEVELOPMENT OMAN (PDO)

TOPIC: On-stream Robotic Tank Inspections by ATEX Certified
/ PESO approved PetroBot Robotic Tools- An Alternative to
Conventional Tank M&I.
SPEAKER: SAHAB SINGH GURJAR,
PETROBOT TECHNOLOGIES PVT LTD

TOPIC: Roles of Additive Manufacturing & Advanced Cold
Spraying Technology in Oil & Gas industries
SPEAKER: ABDUL MAJEED AL HASHMI,
PETROLEUM DEVELOPMENT OMAN (PDO)
SHAHUL HAMEED ABDUL RAHMAN,
PETROLEUM DEVELOPMENT OMAN (PDO)

10:00 AM COFFEE BREAK

CASE STUDIES & BEST PRACTICES

10:15 AM

MODERATOR: MR. SHIVAKUMAR,
PETROLEUM DEVELOPMENT OMAN (PDO)
TOPIC & SPEAKERS:

TOPIC: Aligning with Excellence: SLB’s Anomaly Management
Process in Production Facilities
SPEAKER: ROOZBEH GHOLIZADEH, SLB UAE

TOPIC: Fighting Shielded Corrosion
SPEAKER: OSVALDO MEJIA GIRALDO,
PETROLEUM DEVELOPMENT OMAN (PDO)

TOPIC: Analysis of Burst pressure on pipelines intersections
SPEAKER: MOHAMMED AL ORAIMI, NABORS

TOPIC: Thermal Production System Integrity Journey: From
High-Risk Integrity into An Advanced Vessel Repair Technology
SPEAKER: MOHAMMED AL HAKMANI,
PETROLEUM DEVELOPMENT OMAN (PDO)

CLOSING CEREMONY

01:45 PM

CLOSING REMARKS
AWARD CEREMONY – NASSER BEHLANI AWARDS

LUNCH & END OF THE CONFERENCE