

# MIC Microbial Corrosion, Advanced **Coating And** **Cathodic Protection**

Training & Workshop



Date: 9<sup>th</sup> -12<sup>th</sup> December, 2024  
Venue : Rixos Hotel, Jbr , Dubai

# Who should **Attend**

## Refineries

- Oil and Gas Upstream, off-shore, marine
- Petrochemicals, Fertiliser plants, Cement Plants
- Power Plants (nuclear, thermal, solar, wind, utilities etc)
- Heavy engineering equipment (including defense equipment)
- Corrosion & Integrity Engineers
- Production & Operation Engineers
- Inspection Engineers
- Repair & Maintenance Engineers
- Coating & CP Engineers
- Asset Project Engineers & Asset Managers
- Chemical Treatment Suppliers
- Corrosion Monitoring Systems Suppliers & Lab Technicians

## About the Workshop

Corrosion is a critical issue in the oil and gas industries worldwide, including the GCC countries. The cost of corrosion is staggering, with Saudi Aramco alone estimating annual corrosion costs at \$1.75 billion. A significant portion of this is due to Microbiologically Influenced Corrosion (MIC), responsible for 20-40% of all corrosion failures and 70% of pipeline internal leaks.

Join us for a comprehensive three-day masterclass that will address various aspects of MIC, advanced coating technologies, and cathodic protection (CP) techniques. This hybrid masterclass will provide in-depth insights and practical solutions to tackle corrosion challenges in the oil and gas industry.

# Masterclass Scheme and Instructor Profiles

## Masterclass General Scheme

### Day 1: Introduction to Corrosion and MIC

Format: Online

Instructor: Dr. Reza Javaherdashti

Quick introduction to corrosion

### Day 2: Coating Technology

Format: In-person

Instructor: Dr. Arezoo Assarian

- Coating technology overview
- Smart coating
- Anti-microbial coating technology and application

### Day 3: Open Day Tour, Networking Lunch & Team Building Activities

Open Day Tour: Visit an esteemed Inspection Company to witness cutting-edge practices firsthand.

Networking Lunch: Enjoy a networking lunch where industry leaders and professionals connect.

Team Building Activities: Engage in team-building exercises designed to foster collaboration and innovation.

### Day 4: Cathodic Protection Principles and Advances

Format: In-person

Instructor: Mrs. Vanessa Sealy-Fisher

- Cathodic protection principles
- Application in the oil and gas industry
- Latest advances in CP technology

# Speaker Profiles



**Dr. Reza Javaherdashti**

Expert in Corrosion and MIC

Dr. Reza Javaherdashti is a renowned expert in corrosion management, with over 20 years of experience in both industry and academia. He holds a Ph.D. in Materials Science from Monash University and degrees in Materials Science and Metallurgical Engineering from Middle East Technical University. Dr. Javaherdashti has managed over 400 global projects focused on corrosion and microbial corrosion, authored several reference books, and delivered more than 5000 hours of training. He has served as an expert legal witness and consultant for international organizations, including SKB in Sweden, and held leadership roles such as CEO of MICCOR in the Netherlands. His industry experience spans oil and gas, power generation, marine, water treatment, mining, and aviation. He has also been involved in significant research projects, including bioinspired nanocomposite coatings for corrosion resistance. Dr. Javaherdashti has held roles such as General Manager at Eninco Engineering B.V. and Assistant Professor at Qatar University. His work has been recognized with awards like the David Whitby Best Review Paper Award, and he continues to advance corrosion science through his research, teaching, and consultancy.



**Dr. Arezoo Assarian**

Specialist in Coating Technology

Arezoo Assarian, Ph.D., is a distinguished expert in chemical engineering, currently serving as the CEO and protective coatings consultant at ENINCO Engineering B.V. in the Netherlands. She has an extensive background that encompasses laboratory research, coatings and corrosion inspection, product management, and protective coating consultancy across various industries. Her credentials include certifications as a NACE certified coating inspector (CIP Level 1 and 2) and a TWI certified welding inspector (CSWIP 3.0). Dr. Assarian possesses significant technical expertise in developing protective coatings based on acrylic, polyurethane, epoxy, silicon, alkyd, fluoropolymer, polyaspartate, and other materials. Dr. Assarian's career highlights include her leadership role at ENINCO Engineering since October 2018, and nearly three decades as a Product Engineer and Quality Control expert in the paint and coating industries. Her contributions to the field have also involved freelance work as a protective coating specialist and researcher, as well as project management roles at Smart Engineering Solutions and MMC d.o.o. She holds a master's degree in Chemical Engineering from the University of Zagreb, where she has honed her skills and knowledge to become a leading figure in the industry. Her experience and achievements underscore her profound impact on the field of protective coatings and corrosion prevention.



**Mrs. Vanessa Sealy-Fishe**

Cathodic Protection Expert

Vanessa Sealy-Fisher is a highly experienced professional in corrosion engineering, with over 30 years in the field. She began her career after completing an MSc in Chemistry, inspired by an unexpected job offer and an introductory course. As a Director at the Isinyithi Group, she oversees corrosion protection services, including cathodic protection design, specialized surveys, corrosion and metallurgical investigations, coating specifications, and third-party coating inspections. Vanessa has played a key role in delivering corrosion protection for significant projects like the Nelson Mandela Bridge and cross-country pipelines. Her commitment to corrosion prevention is reflected in her efforts to train and mentor others in the field. Besides her directorial responsibilities, Vanessa leads isiFundi Training, providing webinars and courses such as Bite-Sized Corrosion. She frequently hosts these webinars and has conducted numerous lectures and training sessions on corrosion. Additionally, Vanessa is a regular lecturer at the Corrosion Institute of Southern Africa, a certified AMPP Instructor, and a SAQA-accredited assessor and moderator.

## Registration Package

**STANDARD PACKAGE**  
**3995 USD**

\*Please note: All prices listed are exclusive of GCC VAT at 5%. This amount will be added to the total of all orders when being billed.

DATA PROTECTION The personal information provided by you will be held on a database and may be shared with companies in the Energia Middle East. Sometimes your details may be made available to external companies for marketing purposes. If you do not wish your details to be used for this purpose please write to: Database Administrator at - [info@energia-me.com](mailto:info@energia-me.com)

Delegate 1: Name : (Dr/Mr/Mrs/Ms)

Company Name :

Job Title :

Department :

Email :

Telephone :

Fax :

Delegate 2: Name : (Dr/Mr/Mrs/Ms)

Company Name :

Job Title :

Department :

Email :

Telephone :

Fax :

Delegate 3 : Name : (Dr/Mr/Mrs/Ms)

Company Name :

Job Title :

Department :

Email :

Telephone :

Fax :

## Payment Method

Rak Bank

Account Name : Energia Middle East LLC

Account Number : 0122991445001

Swift Code: NRAKAEAK

IBAN Number: AE640400000122991445001

## Venue & Accommodation

Dubai, UAE

Hotel and travel costs are not included in the registration fee. For assistance in your travel and accommodation requirements, please refer to details below:

## TEAM DISCOUNTS

**Book 5+ 10% off the standard price**

**Book 8+ 15% off the standard price**

**Book 10+ 20% off the standard price**

## Conference Documentation

If you cannot make the conference, you can still access all presentations delivered throughout the conference days for just US\$300, post event. Contact us at [info@energia-me.com](mailto:info@energia-me.com) for further details.

## PAYMENT

- Payment is due in full at the time of registration and includes lunches, refreshments and detailed conference materials. Payment prior to conference is mandatory for attendance.
- Your registration will not be confirmed until payment is received and may be subject to cancellation.
- If a booking is received 10 working days before the conference a credit card number will be required to confirm your place, likewise if full payment has not been received before the conference date.
- A US\$100 processing charge will be applied to all registrations not accompanied by credit card payment at the time of registration.
- Any respective payment charges to be borne by the payer. Please ensure that Energia Middle East receives the full invoiced amount.

## DISCOUNTS

- All 'Early Bird' Discounts require payment at time of registration and before the cut-off date in order to receive any discount.
- Any other discounts offered by Energia Middle East (including team discounts) require payment at the time of registration.
- Discounts cannot be combined with any other offer.

## CANCELLATION, POSTPONEMENT AND SUBSTITUTION POLICY

- You may substitute delegates at any time by providing reasonable advance notice to Energia Middle East.
- For any cancellations received in writing not less than eight (8) days prior to the conference, you will receive a 90% credit to be used at another Energia Middle East conference which must occur within one year from the date of issuance of such credit. An administration fee of 10% of the contract fee will be retained by Energia Middle East for all permitted cancellations. No credit will be issued for any cancellations occurring within seven (7) days (inclusive) of the conference.
- In the event that Energia Middle East cancels an event for any reason, you will receive a credit for 100% of the contract fee paid. You may use this credit for another Energia Middle East event to be mutually agreed with Energia Middle East, which must occur within one year from the date of cancellation.

## Room Reservations

Special / corporate rate for room accommodation is available in the hotel. You may contact the hotel directly as per the details above quoting Energia Middle East or the name of the conference.

Please book at the earliest for your convenience.

- In the event that Energia Middle East postpones an event for any reason and the delegate is unable or unwilling to attend on the rescheduled date, you will receive a credit for 100% of the contract fee paid. You may use this credit for another Energia Middle East event to be mutually agreed with Energia Middle East, which must occur within one year from the date of postponement.
- Except as specified above, no credits will be issued for cancellations. There are no refunds given under any circumstances.
- Energia Middle East is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. Energia Middle East shall assume no liability whatsoever in the event this conference is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable, illegal or impossible. For purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency.

## PROGRAMME CHANGES

- Please note that speakers and topics were confirmed at the time of publishing; however, circumstances beyond the control of the organizers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. Energia Middle East reserves the right to alter or modify the advertised speakers and/or topics if necessary. Any substitutions or alterations will be updated on our web page as soon as possible.

## YOUR DETAILS

- Please email our database manager [info@energia-me.com](mailto:info@energia-me.com) to inform us of any incorrect details which will be amended accordingly.

Urooj Fatima Rizvi  
00971-551285882  
[fatima.urooj@energia-me.com](mailto:fatima.urooj@energia-me.com)

Alina Rizvi  
00971 553376223  
[alina.rizvi@energia-me.com](mailto:alina.rizvi@energia-me.com)