



ICORR ABERDEEN BRANCH AND NACE JOINT MTG 17:30 ON TUESDAY 28TH MAY, 2019

At the **Palm Court Hotel***, 81 Seafield Road, Aberdeen AB15 7YX
17:30 Complimentary Light Buffet & Networking, 18:00 ICorr AGM,
Followed by 3 Technical Presentations. Event Closes 20.00.

NACE Technical Presentation (1):
Scott Maidman, Dry Ice Global -

Dry Ice Blast Cleaning as an Alternative Method
of Surface Preparation.

NACE Technical Presentation (2):
Darren Ward, International Paint -

Cyclic Corrosion Testing on Surfaces Prepared
by Dry Ice Blasting.

ICorr Technical Presentation:
Mr. Simon Daly, Hempel A/S -

Evaluating the Effect of Surface Preparation
Standard on Zinc Rich Epoxy Primers.

***Please Note. Change of Venue, from AIS Westhill, (Previously Advertised).**

Attendance at this JOINT ICorr / NACE Event is **FREE** for both
Members and Non-Members. **Places are limited.**
To Attend this Event, Pre-Register to: Amir.Attarchi@woodplc.com

CPD Certification will be Available Upon Request.

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Paper 1: Scott Maidman, Global Deployment Manager, DI Global, Air Liquide.

Dry Ice Blast Cleaning as an Alternative Method of Surface Preparation.

Dry Ice Global specialize in the development and rental of high-performance dry-ice production and blast cleaning equipment. The fully integrated solution has been designed specifically for surface preparation and fabric maintenance purposes in the Oil and Gas industry, and similar applications.

This innovative, alternative means of surface preparation has been further advanced from removal of coatings and corrosion by further development of the equipment to create surface profile through common abrasives added to the dry ice flow.

Additional benefits include reduced carbon footprint, less waste and clean up when compared to other methods.

Dry Ice Global delivers proprietary technology in the form of on-site and offshore dry ice production systems for high-performance applications.

The presentation will explore the features of the system and how it may benefit the Oil & Gas and associated industries and will demonstrate practically the operation and what can be achieved.

Paper 2: Darren Ward, Technology Leader Worldwide Oil & Gas, International Paint (AkzoNobel). NACE Certified Coatings Inspector, Level 3, Cert No 19806.

Cyclic Corrosion Testing on Surfaces Prepared by Dry Ice Blasting.

International Paint in collaboration with Dry Ice Global and NACE Aberdeen Scotland Section have been working to investigate the comparative performance of surface tolerant coatings systems when applied to corroded steel surfaces prepared by Dry Ice Blasting, with injected Garnet abrasive.

International Paint provided pre-rusted carbon steel panels which were blast cleaned and coated with two proprietary coatings systems which were allowed to cure prior to testing. These coated panels were then exposed to ISO12944-9: 2018 (formerly ISO20340 Performance requirements for protective paint systems for offshore and related structures) cyclic corrosion testing, as used in NORSOK M501, Edition 6.

The coated panels were scribed to expose the metal surface and tested for 25 cycles /4200 hours /6 months of alternate UV/condensation, salt spray and freeze to -20°C.

The presentation will consider the performance of common surface tolerant coatings systems applied over this alternative method of surface preparation and assess the corrosion creep from scribe, early and aged of the adhesion values as an indication of performance in the field.

Paper 3: Simon Daly, Oil & Gas Segment Manager, Hempel A/S.

Evaluating the Effect of Surface Preparation Standard on Zinc Rich Epoxy Primers.

Zinc rich primers have historically been associated with use as a primary means of corrosion protection on offshore assets at the new construction stage. This paper will investigate the risks and benefits of adopting zinc rich epoxy technology for maintenance by considering:-

- Suitable means of providing consistently prepared test panels to recognized standards, other than SA 2.5.
- Test methodology for ensuring consistent levels of salt contamination prior to application and evaluation of coating performance.
- Effect of no. of coating layers and coating type on system tolerance to salt contamination.
- Comparison of two different zinc systems under a variety of sub optimal surface preparation conditions and the impact upon performance.

The presentation will focus on work carried out over an 18 month period with a view to create consistent reproducible test panels for use in the evaluation of protective coating systems for corrosive maintenance environments.

Additionally it will also present a draft evaluation methodology for combining coatings materials application characteristics and long term performance.

Bio:

Simon Daly is the Group Oil and Gas Manager, for HEMPEL A/S. With 28 years coatings experience in laboratory, technical, sales and marketing positions, mainly servicing the oil and gas industry, he is currently responsible for oil, gas and thermal power strategy within the group. One of the key elements of his current role is the introduction of the company's latest product offerings and development of product strategies.



He is a regular contributor to various ISO committees. Additionally he is the Hempel representative on ISO TC 67 WG11 and as such has been involved in development of the new ISO 19277 standard for testing for corrosion under insulation. He also leads the working group involved in the development of ISO 18796-2 which covers the pre-qualification of internal linings for process vessels. Simon holds an honours degree in engineering from the University of Leeds, along with diplomas in marketing and international sales management.

ICORR ABERDEEN AGM ON 28TH MAY, 2019

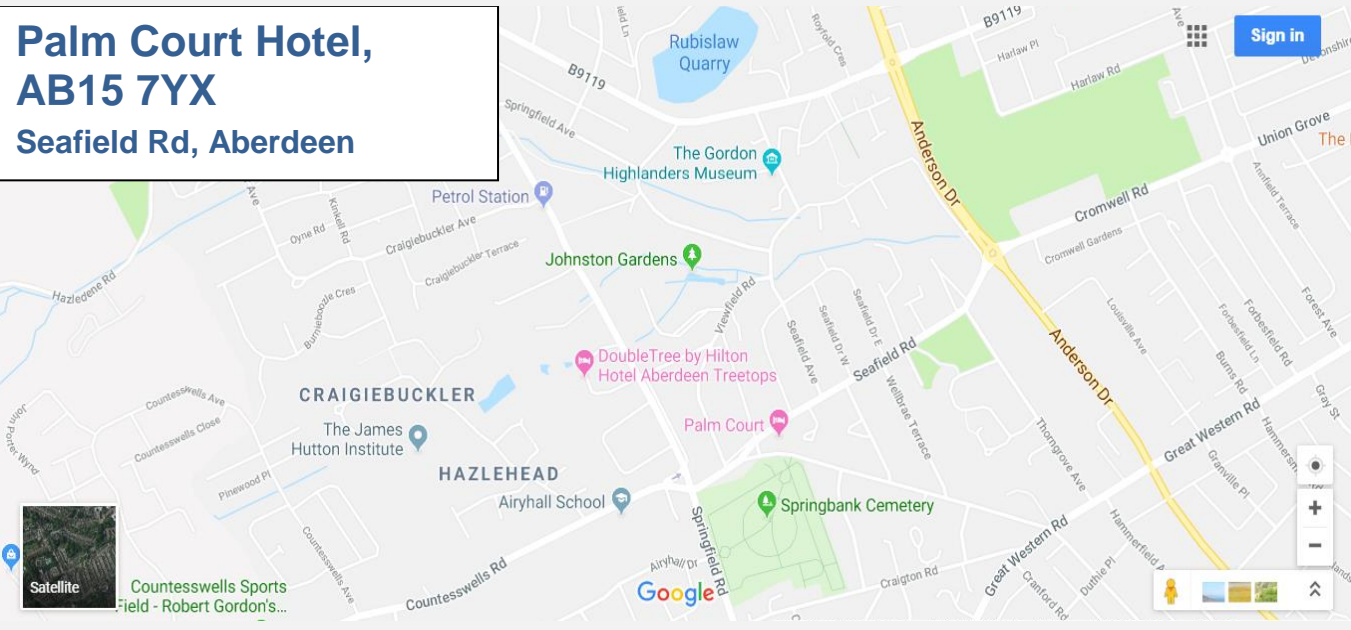


- Introductions / Thanks from ICorr Aberdeen Chair.
- Summary of 2018 / 2019 ICorr Events.
- ICorr Aberdeen 2018 / 2019 Accounts.
- Technical Programme for 2019 / 2020 Session.
- New Committee for 2019 / 2020 Session.
- Sponsors for 2019 / 2020 Session.

DIRECTIONS:

Palm Court Hotel is located in the West End area of Aberdeen, only 15 minutes from Aberdeen Airport, 18 minutes from AECC and 10 minutes from local rail and bus stations. Tel: (01224) 310351.

**Palm Court Hotel,
AB15 7YX
Seafield Rd, Aberdeen**



The map shows the West End area of Aberdeen, Scotland. A yellow line highlights the route from the city center towards the Palm Court Hotel, which is marked with a pink pin on Seafield Rd. Other landmarks include the DoubleTree by Hilton Aberdeen Treetops, Springbank Cemetery, and various residential streets like Anderson Dr and Cromwell Rd. A 'Sign in' button is visible in the top right corner of the map interface.

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