



Introduction to the

INSTITUTE OF CORROSION

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MSc, MICorr, CEng

On behalf of



Aberdeen University
26/09/2019

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About Corrosion



Humber Estuary Killingholme UK – April 16, 2001 (Erosion Corrosion, Refinery, USD 82,400,000)

The Health and Safety Executive report <http://www.hse.gov.uk/comah/conocophillips.pdf>

About Corrosion



THE 'BROKEN' BRIDGE OF ITALY: **Severe External Corrosion**



THE 'NEARLY BROKEN' BRIDGE OVER THE FORTH: **Cable Corrosion**

FURTHER SOURCES OF INFORMATION>

The ICorr Website: Is an excellent resource.

<https://www.icorr.org/souces-of-information/>

About Corrosion

Corrosion costs (general):

- 276 billion USD per year for total direct cost of corrosion in the United States; equivalent to 3.1% of GDP.

(Source: NACE – The Worldwide Corrosion Authority.)

- Corrosion cost to the UK is about 4% of GDP

(Source: Institute of Corrosion, ICorr, U.K.)



Corrosion costs (Oil and Gas industry):

- 7 billion USD per year for gas and liquid transmission pipelines.
- 1.4 billion USD per year for oil and gas exploration production.

About Corrosion

Consequences of Corrosion:

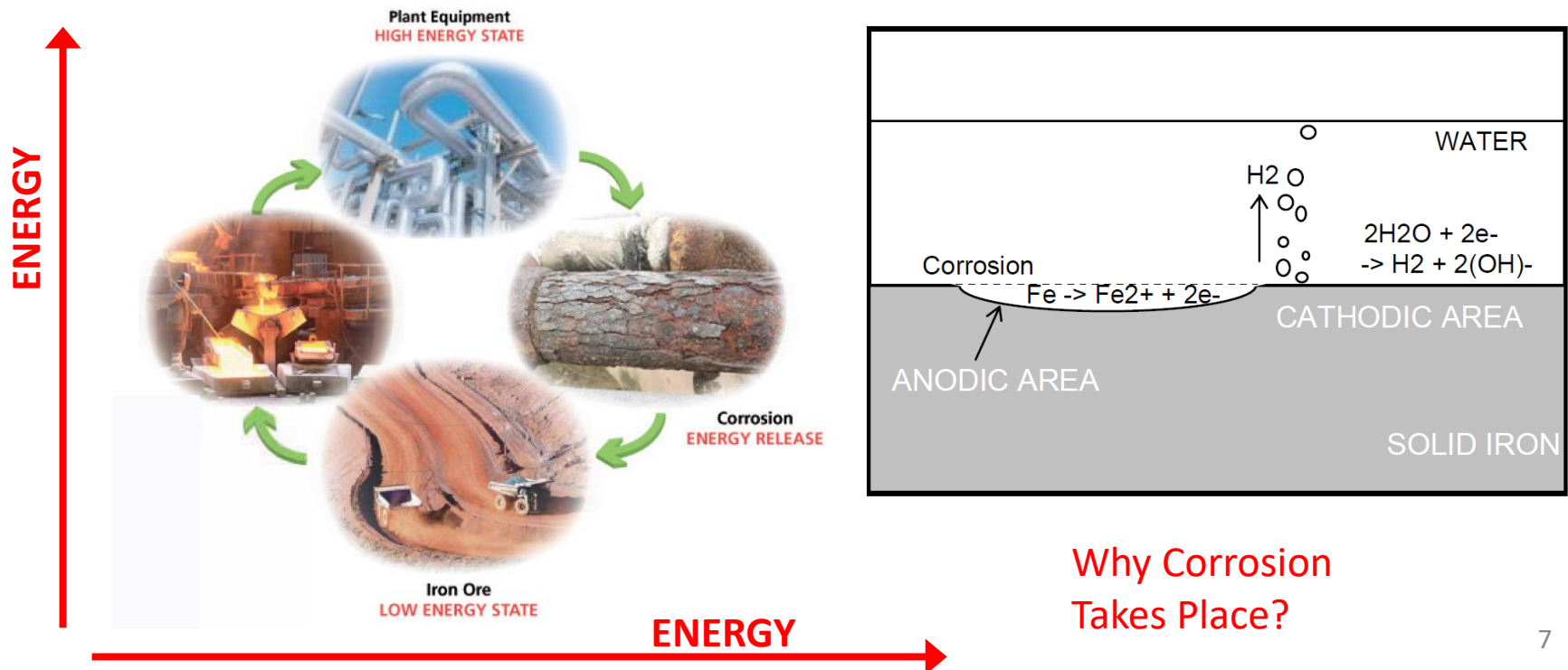
- Loss of mechanical strength and structural failure or breakdown
- Hazards or injuries to people
- Environmental impact due to leaks from vessels and pipes
- Loss of time in availability of industrial equipment
- Reputational damage



About Corrosion

What is Corrosion?

- Corrosion is the deterioration of a substance, usually a metal, or its properties because of a reaction with its environment. (Source: National Association of Corrosion Engineers)
- Physicochemical interaction between a metal and its environment which results in changes in the properties of the metal and which may often lead to impairment of the function of the metal, the environment, or the technical system of which these form a part. (ISO 8044)



About Corrosion

Corrosion Triangle:

WATER



CORRODENT



METAL

Corrosion Control:

METAL + WATER + CORRODENT = **CORROSION**

~~METAL~~ + WATER + CORRODENT = NO CORROSION

METAL + ~~WATER~~ + CORRODENT = NO CORROSION

METAL + WATER + ~~CORRODENT~~ = NO CORROSION

Design the material

**Control the environment
Design a barrier**

About Corrosion

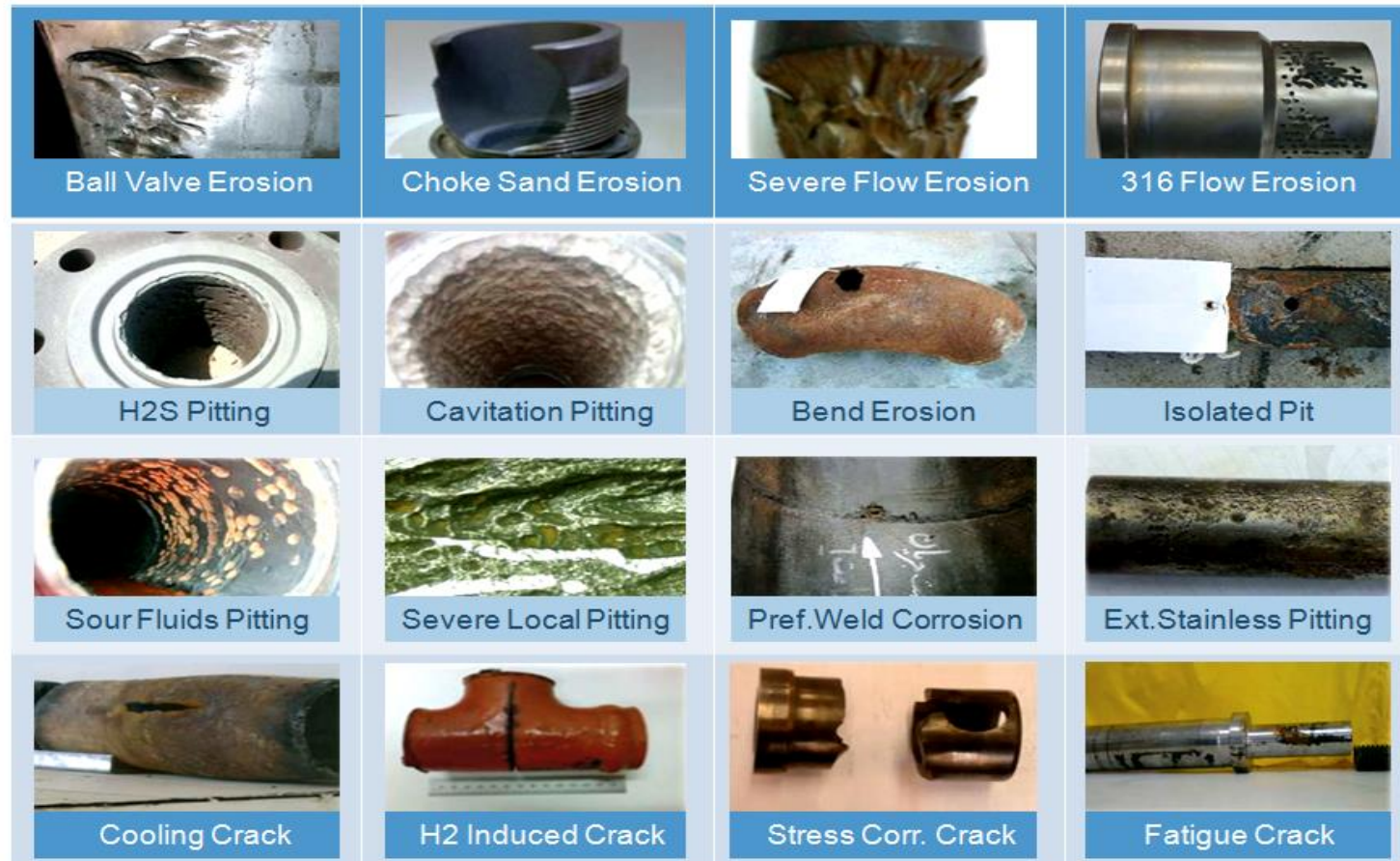


Corrosion Control Engineering

Factor	Controlling Method	Barrier	Controller
Conductivity	Stop/slowdown electrons	Non-conducting coat/paint	Coating/Painting Engineer/Inspector
Conductivity	Reduce conductivity	Keep the process dry	Process Engineer
Electrochemical reaction	Apply current	Cathodic protection	CP Engineer/Inspector
Oxygen	Stop/slowdown Oxygen	Barrier coating/paint	Coating/Painting Engineer/Inspector
Anodic reaction	Electronegativity	Corrosion resistant metal	Material/Corrosion Engineer
Electrochemical reaction	Stop/ reduce reaction rate	Corrosion inhibitor	Chemical/Corrosion Engineer
Electrochemical reaction	Stop/ reduce reaction rate	Passive layer	Material/Corrosion Engineer

About Corrosion

Types of corrosion



ies as per



Corrosion
Cracking

Erosion Corrosion

About Icorr



Icorr (<http://www.icorr.org/>) is a learned society and registered charity that has been serving the corrosion science, technology and engineering community since

The screenshot shows the Icorr website homepage. At the top, a dark blue navigation bar contains the phone number '01604 438222', the email 'admin@icorr.org', and several menu items: 'ICorr Structure', 'The History of Institute of Corrosion', 'ICorr Awards', 'News', 'Correx Ltd', 'Sources of Information', and 'Members Area'. Below the navigation bar, there are three main content boxes on a dark blue background:

- Training Courses**: We offer a range of courses and qualifications to help you develop the latest practical skills and thinking.
- Professional Development**: CPD comprises learning activities that you undertake to gain knowledge and experience in order to help you in your professional career as a corrosion scientist or engineer.
- Job Board**: For all the latest Corrosion Industry jobs, visit the Icorr Job Board.

To the right of these boxes, there is a search bar and a menu for 'Training & Qualifications'. Below this is a large banner image showing a close-up of a rusted metal pipe. The word 'Corrosion' is written in large white letters over the image. Below the image, there is text: 'Industry relevant qualifications. You will also... corrosion academics and professionals.' Navigation arrows are visible on the left and right sides of the banner.

Below the banner is another image showing a scenic view of a river with a bridge and buildings. The text 'CEOCOR 2018 International Congress and Technical Exhibition' is overlaid on the image. Below this, the location is listed: 'Crown Plaza Hotel, Stratford-upon-Avon, United Kingdom'. At the bottom of the page, the word 'Membership' is written in a blue, serif font.

About ICorr



Technical divisions:

- Corrosion Science Division
 - ✓ Corrosion Symposium (10/11 September 2018- 59th Corrosion Science Symposium)
- Corrosion Engineering Division
 - ✓ Forums
 - ✓ Working groups (Cathodic protection - Nuclear - Coatings - Oilfield chemicals - Water treatment - Corrosion in Concrete)

Regional Branches:

Aberdeen, London, Midlands, Northeast, Northwest, and Yorkshire.

Technical questions

[Back to Forums](#) · [Register](#) · [Login](#)

TOPIC TITLE	LAST POST	REPLIES	VIEWS
316 Ti Stainless corrosion due to chlorine any information on the exposure limits of 316 Ti to chlorine residue before causing reduced life?		-	7099
Is there a difference between painting and coating inspector	by: dgffgh Wed 24th Aug 2016	4	742
Corrosion Inhibitor Tank Will a corrosion inhibitor offer suitable corrosion protection on its own in a carbon steel corrosion inhibitor tank or would additional protection be required, "internal lining?"	by: mekh Thu 17th Sep 2015	4	4707
TSA vs Protective Coatings All, If challenged with; 'what is the most cost effective corrosion protection system between TSA and other protective coating systems operating in an offshore environment?' what would your answer be?	by: jithkriz Thu 16th Jul 2015	2	491
Corrosion due to ground waters Hi all, I was wondering if anyone could recommend a good article on corrosion by groundwaters, specifically some estimated limits of composition as regards, sulphate, nitrate, pH, alkalinity, hardness, etc. to be wary of when making a corrosivity assessme	by: winnie Thu 9th Jul 2015	1	-
cathodic shielding could any one tell me which standards specially are about cathodic shielding and preventing methods?	by: malik.boumnijel Tue 8th Oct 2013	1	4727
cathodic shielding I'm interested in getting some information about cathodic shielding	by: anticorrosionpaint Fri 12th Oct 2012	1	3683
Microbiologically Induced Corrosion Looking for further details of MIC particularly when seen in sea water etc	by: henry tan Tue 23rd Jul 2013	2	4164

About ICorr



Continued Professional Development (CPD)

- CPD refers to the process of tracking and documenting the skills, knowledge and experience that you gain both formally and informally in order to help you in your professional career progression.
 - Self-study
 - Work experience
 - professional mentoring of colleagues or others
 - Academic study
 - Training courses
 - Events and seminar

- CPD Requirements for Chartered Engineers in UK

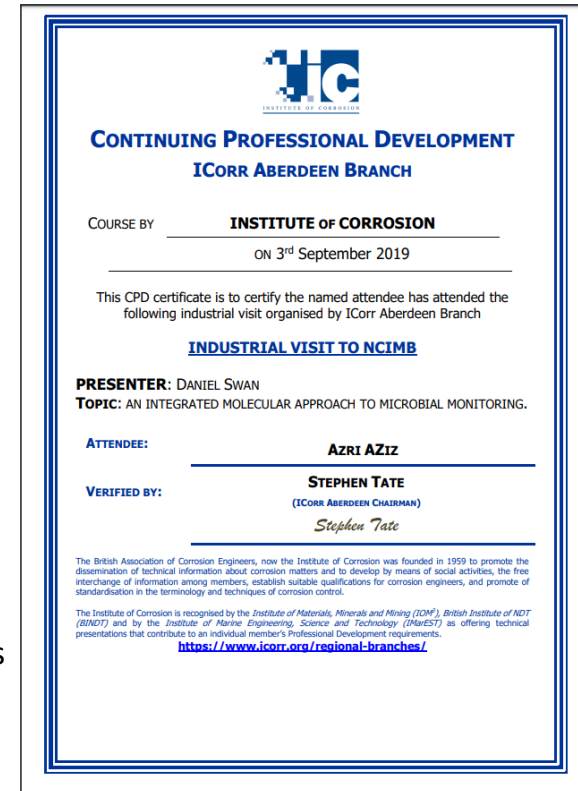
All Engineering Council registrants make a commitment to maintain and enhance their competence. In practice, this means undertaking Continuing Professional Development (CPD).

 - Chartered Scientist or
 - Chartered Engineer

- The Institute of Corrosion has developed a mentoring program to assist its members to achieve their Chartered Status.

- mycareerpath® (CPD record database)

An online professional development system, information on any of above activities can be recorded in mycareerpath® including subject, type of work, duration and learning outcomes.



About ICorr



Training and Qualification

- ICorr Certification Scheme
 - Painting Inspector (Level 1/2/3)
 - Coating Inspector (Level 1/2)
 - Pipeline Coatings Inspector
 - Insulation Inspector
 - Fire Proofing Inspector
- Cathodic Protection (CP) Certification Scheme,
 - Cathodic Protection Technician (Level 1/2/3)
 - professional mentoring of colleagues or others,
 - attendance at conferences.



ICorr (Aberdeen Section)



2019-2020 Session Committee

Chair: Mr. Stephen Tate

Vice Chair: Dr. Nigel Owen

Website Officer: Dr. Yunnan Gao

Secretary (External): Mr. Alistair Seton

Secretary (Internal): Mr. Hooman Takhtechian

Finance Officer: Mr. Bryn Roberts

Event Co-ordinator: Mr. Amir Attarchi

University Liaison and CPD Officer: Zahra Lotfi

Committee Member: Dr. Muhammad Ejaz and Mr. Jonathan Segynola



ICorr (Aberdeen Section)



<https://sites.google.com/site/icorrabz/home>

Institute of Corrosion Aberdeen Branch

Search this site

Institute of Corrosion website

Visit the [Institute of Corrosion](#) website to find out more about Conferences and Events, Education and Training as well as the Technical Forums at <http://www.icorr.org>.

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ICorr Aberdeen

Welcome to the Aberdeen branch of the Institute of Corrosion

Thanks to our branch sponsors, the Aberdeen branch of the Institute of Corrosion is able to host a technical programme of monthly presentations from September through to May.

Institute of Corrosion Aberdeen branch meetings begin at 18:00 with a complimentary light buffet and the opportunity to network with other corrosion professionals, followed by the technical presentation at 18:30. The exception this year is the April meeting which begins at 17:30 for a 18:00 start, after the [Marine Corrosion Forum](#).

Our meetings are typically held on the last Tuesday of the month at the [Palm Court Hotel](#), 81 Seafield Road, Aberdeen, AB15 7YX.

The Institute of Corrosion is recognised by the Institute of Materials, Minerals and Mining (IOM3), British Institute of NDT (BINDT) and by the Institute of Marine Engineering, Science and Technology (IMarEST) as offering technical presentations that contribute to an individual member's Professional Development requirements.

Details of local Aberdeen events from the Institute of Corrosion (ICorr) are shown in our [Technical Programme](#).

Subscribe to the Institute of Corrosion
Aberdeen Branch event email reminders

Email:



ICorr (Aberdeen Section)

<https://sites.google.com/site/icorrabz/resource-center>



Institute of Corrosion Aberdeen Branch

Search this site

Institute of Corrosion website
Visit the [Institute of Corrosion](http://www.icorr.org) website to find out more about Conferences and Events, Education and Training as well as the Technical Forums at <http://www.icorr.org>.

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Presentations Slides

All the slides of the presentations given at the ICorr Aberdeen's events since 2012/2013 Session have been uploaded here, pending the agreement and approval of the presenters.

R. 2019/2020 ICorr Aberdeen Presentations

<input type="checkbox"/>		2019-08-27 ICorr CAD 2019 Presentation Slides – Collated – ALL.pdf View	ICorr Aberdeen 2019 CAD on MIC – Sponsored by Rosen	10 Sep 2019, 06:45	Aberdeen ICorr
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S. 2018/2019 ICorr Aberdeen Presentations

<input type="checkbox"/>		2018-08-14 CAD 01 ICorr Aberdeen Branch 2018 CAD _ All Lectures Presentation Slides.pdf View	2018 ICorr Aberdeen CAD on 14/08/2018 – All Lectures Presentations	21 Aug 2018, 00:33	Aberdeen ICorr
<input type="checkbox"/>		2018-08-14 CAD 02 ICorr Aberdeen Branch 2018 CAD _ Emerson Permasense Equipment Demonstration.pdf View	2018 ICorr Aberdeen CAD on 14/08/2018 – Emerson Demonstration Presentations Slides	21 Aug 2018, 00:33	Aberdeen ICorr
<input type="checkbox"/>		2018-08-14 CAD 03 ICorr Aberdeen Branch 2018 CAD _ Emerson Rosemount Equipment	2018 ICorr Aberdeen CAD on 14/08/2018 – Emerson Demonstration	21 Aug 2018, 00:33	Aberdeen ICorr

ICorr Aberdeen Events



A Journal of the Institute of Corrosion

Corrosion Management

Issue 149 May/June 2019

Protecting Reinforced Concrete Structures

ICorr
www.icorr.org

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See our latest Technical Article series
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Institute News

Corrosion Engineering Division (CED)

This year the annual working day of the Corrosion Engineering Division (CED) will take place during the Electrochem 2019 meeting, being held at the University of Strathclyde's Technology Innovation Centre in Glasgow, Monday 26th - Wednesday 28th August. The CED meeting will be held on the 28th August, and it will be integrated with the Corrosion Science Symposium, organised by the Institute's Corrosion Science Division.

The programme for the CED part of the meeting will include invited lectures on the theme of 'Industrial Applications of Electrochemical Corrosion Monitoring', which will be presented during the morning. Full details of the CED lectures will be published on the conference web site in June 2019, and in the next issue of CM. The lectures will be followed by the presentation of the Paul McIntyre award to this year's winner, who will be announced in a few weeks' time.

In the afternoon there will be an opportunity to join the CED working group meetings. The current working groups are:

- Cathodic protection
- Nuclear
- Coatings
- Oil and gas
- Corrosion in Concrete

The Electrochem 2019 annual meeting is organised by the Electrochemistry, and Electroanalytical and Sensors, Interest Groups of the RSC, and the Society of Chemistry and Industry (SCI). The 2019 meeting will be the 25th anniversary of Electrochem and it will include the 60th Corrosion Science Symposium. Details of the meeting and registration are available at <https://www.strath.ac.uk/engineering/chemicalprocessengineering/electrochem2019/>.

Attendees are welcome to join any of the parallel sessions that will be running during the meeting.

Local Branch News Aberdeen Branch

The March meeting was an industrial event at ICR, Bridge of Don, with group presentations and demonstrations of three of ICR's core business activities.



ICR have specialised tooling and trained engineers, who deal with the insertion and retrieval of corrosion monitoring coupons in live pipeline valve stations (Online Retrieval). Pre-installed fittings on the pipes allow threaded plugs which carry the mounted coupons to be inserted into the pipe. This is carried out using either mechanical or hydraulic, telescopic portable tooling which can introduce, through the valve gate, fresh coupons of prepared carbon steel which then sit within the line for the study period. Recovery of the coupons allows for weight loss assessment and corrosion pattern studies, which can be used to evaluate the corrosive nature of the fluid and help to provide remedial measures, such as chemical injection solutions.

ICR also offers on-site weldless, flange to pipe connections which are carried out using a hydraulic collected - ram system. The flanges to be fitted to the pipe have an annular groove in the inside into which the wall of the pipe can be expanded using tooling inserted inside the pipe end. The hydraulic ram

contains a split collet which expands inside the pipe and forces a ring of the pipe wall into the flange groove. This provides a weldless metal to metal gas tight seal which is dressed each end with sealant to prevent water ingress to the junction. This can be performed on pipe to flange connections in any remote situation with 3" to 15" pipes.

A full demonstration of the operation was performed on 10" pipe using the hydraulic compressor and ram, and sectioned flanges were offered to the audience as proof of the integrity and bond.

Finally, a presentation was made on engineering repair solutions for pipe work and structural beam strengthening. These composite repairs use glass and carbon fibre cloth which is soaked in epoxy and then systematically wrapped around surface-prepared pipes, T-junctions elbows or structural beam sections, to cover and reinforce damaged or thinned areas of pipe or steelwork. The wrapping fibre used has a woven nature and anisotropic strength. Once wrapped, a compression bandage is added and within 24 hrs, the epoxy laden fibre will reach its full cured strength. The wrap system is ideal for situations where emergency or temporary repairs are required, but is often suitable for longer term fix until major maintenance programmes are permissible. ICR are also able to wrap pipes under service and low pressure which are leaking. A flanged threaded plate is fitted into the leak and a hose added to divert the leaking fluid while the pipe and edge of the plate are wrapped in the composite. Once the wrap has cured, the threaded plate can be fitted with a blanking plug to reseat the pipe.

At the close of the industrial visit, the Chairman, Dr Yunnan Gao, presented ICR with a certificate of appreciation. Further industrial visits are planned for September 2019 (NCIMB Microbial Laboratories) and March 2020 (Oceanenergy NPT).

The April event was the annual joint meeting with the MCF (Marine Corrosion Forum) where the branch were very pleased to welcome Scaled Solutions Ltd of Edinburgh, to talk on their recent R&D findings into the performance and optimization of corrosion inhibitors, including those for demanding HP (12,000 psi) / HT (300 C) operations.

(The Scottish Government recently recognised Scaled Solutions' contribution to Research and Development through the provision of a £2.2M grant award in June 2017, to support R&D in several key areas for the Oil and Gas Production Industry. This award, together with significant further investment by Scaled Solutions themselves of £3M, should bring significant cost-saving and corrosion prevention benefits to O&G operations).

ICorr Aberdeen Events 2019-2020



Date	Event Type	Speaker (s) / Company	Topic (s)	Time	Venue
Tuesday 24/09/2019	Joint Meeting with TWI	ROSEN - Daniel Sandana	SCC on Offshore Assets with emphasis on Weldments and HISC.	Sign in & Network from 17:45; Complementary Buffet from 18:00; Pres. at 18:30.	RGU, Room N242, Sir Ian Wood Building, Robert Gordon University (RGU), Garthdee Road, Aberdeen AB10 7GJ
Tuesday 29/10/2019	ICorr Technical Event	ICORR UK + RAWWATER: (Various)	Presidents Lecture + Reservoir Management / H2S Mitigation. Speaker 1: ICorr - Growing our Membership and ICorr Awards - Call for Nominations. Speaker 2: "An understanding of Reservoir Souring and Mitigation"	Sign in & Network from 17:45; Complementary Buffet from 18:00; Pres. at 18:30.	RGU, Room N242, Sir Ian Wood Building, Robert Gordon University (RGU), Garthdee Road, Aberdeen AB10 7GJ
Tuesday 26/11/2019	Joint ICorr/IO M3 Event	BP/BiSN (Various)	Application of Bismuth based alloys to address Oilfield challenges. Speaker 1: Paul Carragher (BiSN). Speaker 2: Lance Underwood (BiSN) Speaker 3: Angus MacLeod (BP).	Sign in & Network from 17:45; Complementary Buffet from 18:00; Pres. at 18:30.	RGU, Room N242, Sir Ian Wood Building, Robert Gordon University (RGU), Garthdee Road, Aberdeen AB10 7GJ
Tuesday 28/01/2020	Joint EI/ICorr Technical Event	SETS (Various)	Structural Integrity Issues: Under-deck, air-gap, splash zone deterioration (of conductors, caissons and risers). Speaker 1: Greg Law. Speaker 2: Chris Tierney.	Sign in & Network from 17:45; Complementary Buffet from 18:00; Pres. at 18:30.	RGU, Room N242, Sir Ian Wood Building, Robert Gordon University (RGU), Garthdee Road, Aberdeen AB10 7GJ

ICorr Aberdeen Events 2019-2020



Date	Event Type	Speaker (s) / Company	Topic (s)	Time	Venue
Tuesday 25/02/2020	ICorr Technical Event	DNV (Various)	<p>2 Key Areas of RBI:</p> <p>Paper 1 - PSVs are classed as safety critical when protecting hydrocarbon containing equipment and, even on non-hazardous services are always safety related. Pressure Safety Valve RBI will be discussed using Half a Billion Hours of Data.</p> <p>Paper 2 - For FPSO cargo tanks the main degradation threats are fatigue cracking and corrosion / coating degradation. This presentation gives an overview of DNV GL methods for carrying out an RBI assessment for each of these threats and how they may be used to develop an optimized inspection schedule.</p> <p>Paper 1 Speakers: John Morgan / Chris Bell. Paper 2. Speaker: David Baxter</p>	Sign in & Network from 17:45; Complementary Buffet from 18:00; Presentation at 18:30.	<p>RGU, Room N242, Sir Ian Wood Building, Robert Gordon University (RGU), Garthdee Road, Aberdeen AB10 7GJ</p>

ICorr Aberdeen Events 2019-2020



Date	Event Type	Speaker (s) / Company	Topic (s)	Time	Venue
Tuesday 31/03/2020	Industrial Visit - 2	Oceaneering (Various)	Industrial Visit - An Alternative / Interactive Industrial Event. Ian Drummond as Lead, will be joined by experienced Integrity Professionals / Advance NDT Technologists who will be available for around 60 mins, to take live Integrity related questions from the Audience, (which will appear on a large / high vis. screen behind the Panel for Discussion by all).	Event to start at 18:00; Visit to start at 18:30	Oceaneering, Aker Solutions Building, Aberdeen Airport, Building 1, Dyce Drive, Aberdeen, AB21 0BR.
Tuesday 28/04/2020	Joint ICorr/MCF Event	Economic Engineering Ltd. Alan Hunter	Economic Literacy and Competency. O&G Corrosion & Materials Engineers need to be economically literate, as well as technically advanced and competent. The basis of a methodology for commercial success will be proposed and applied to the O&G Integrity & Corrosion Management Sector. Speaker: Alan Hunter	Event to start at 17:30; Presentation to start at 18:00	Palm Court Hotel, 81 Seafield Road, Aberdeen, AB15 7YX
Tuesday 26/05/2020	IOAM - Institute of Asset Management	Adam Lea-Bischinger	6 Core Elements of Asset Management. The work of IOAM and the Development and Roll-out of ISO 55000 which defines Terminology, Requirements and Guidance for Implementing, Maintaining and Improving an Effective Asset Management System including examples of UK Companies operating the ISO 55000 System.	Sign in & Network from 17:45; Complementary Buffet from 18:00; Pres. at 18:30.	RGU, Room N242, Sir Ian Wood Building, Robert Gordon University (RGU), Garthdee Road, Aberdeen AB10 7GJ
Tuesday 25/08/2020	Joint ICorr/NACE Event 2020 Corrosion Awareness Day (CAD)	PETROFAC (Various)	Annual ICorr Aberdeen / ABZ Corrosion Awareness Day: Programme: Visit one of the most advanced Oil and Gas Training Centres in the world with nine specially designed modules that closely replicate the systems and equipment found on onshore facilities and offshore installations. The Day will include several Practical Demonstrations with Teaching themed on Fabrication and External Corrosion Management. Demonstrators: Graham George /Lynne Cairnie Petrofac HSE Fabric Maintenance Training/Competence Team and Mike Hobin of NACE.	Event to start at 09:00 and finish at 20:00.	Petrofac Training Centre, Forties Road, Montrose, Angus, DD10 9ET

ICorr Aberdeen Events

Corrosion Awareness Course



ICorr Membership



- **Develop links** with business and professional bodies who have similar interests.
- **Enjoy the support** of an enthusiastic and experienced organisation.
- **Participate in the advancement of corrosion control** in all its forms.
- **Participate** in Branch and Divisional activities.
- **Leads to professional qualification** (FICorr, MICorr, TICorr) or certification as technicians and inspectors (Technician 1, Inspector levels 1 to 3).
- **Keep up to date** with corrosion and corrosion control activities.



ICorr Membership

Free Student Membership

Join the largest community of Corrosion professionals in the UK and access all the resources, skills and opportunities you need to develop your career

<http://www.icorr.org/membership/student-membership.phtml>

- Show proof of full time enrolment at an approved science or engineering based study program.
- Submit completed form and proof of enrolment.



Barratt House, Kingsthorpe Road, Northampton NN2 6EZ
 TEL: +44 (0) 1604 438222
 E-mail: admin@icorr.org Web site: <http://www.icorr.org>

APPLICATION FOR STUDENT MEMBERSHIP

(Please TYPE or PRINT in black ink as this form will be photocopied)

SURNAME [Mr/Mrs/Miss/Ms/Dr/Prof] <input type="checkbox"/>		FORENAMES (in full) <input type="checkbox"/>		Date Of Birth <input type="checkbox"/>
PRIVATE ADDRESS including postcode <input type="checkbox"/>				
UNIVERSITY <input type="checkbox"/>		Date Of Joining <input type="checkbox"/>		
COURSE <input type="checkbox"/>				
QUALIFICATIONS <input type="checkbox"/>				
UNIVERSITY ADDRESS Including postcode <input type="checkbox"/>				
TELEPHONE		Home <input type="checkbox"/>	Business <input type="checkbox"/>	
		Mobile <input type="checkbox"/>	email <input type="checkbox"/>	
<input type="checkbox"/> Do you consent to receiving information from the Institute of Corrosion. By email Yes/No By post Yes/No				
Which Address Do You Want To Use For Correspondence And The Journal				Home/University <input type="checkbox"/>

You are welcome to participate in the activities of any Branch and Division and for mailing purposes, you will be allocated to the Branch covering your home location unless requested otherwise. Which Branch and Division do you wish to join? (Please indicate)

Branch:	[Aberdeen]	[London]	[North East]	[North West]	[Yorkshire]	[Midlands]
Division(s)	[Corrosion Engineering]	[Corrosion Science]	[Young ICorr]			

DECLARATION (to be signed by all applicants)
 I hereby confirm that I have an interest in the practice of corrosion technology and/or science and undertake to comply with the Institute's Articles of Association and Bye-laws.
 Please note that the Institute of Corrosion is GDPR Compliant and we do not hold any data that is not required for the running of the organisation. The Institute of Corrosion Data Protection Manual and data Protection Policy can be found on the ICorr website

Signed: _____ Date: _____

FEES: Bone-fide full-time students are eligible for ICorr membership at no cost

To qualify for the ICorr student membership rate and benefits, you must:

1. Show proof (e.g. course schedule and student ID) of enrolment as a full-time student at an approved science or engineering based study programme.
2. Submit proof of student eligibility on an annual basis at renewal. (Seven years is the maximum length of time an individual may retain student status.)

Key Information



- For further information about the institute, visit the ICorr website:

www.icorr.org

- For further information about the activities of the local section, visit Aberdeen section page on

<https://sites.google.com/site/icorrabz/>

Linked in

<https://www.linkedin.com/in/aberdeen-icorr/>

or send an email to

icorrabz@gmail.com

Thank you.

