EFC
EUROPEAN FEDERATION OF CORROSION

September 2025

NEWSLETTER

Relationships at EUROCORR family reunion remain key

Welcome to the September edition of the EFC newsletter. For those of you fortunate enough to be with us in Stavanger for EUROCORR 2025, I hope it's a stimulating and enjoyable experience. It's great to see the conference return to Norway for the first time since 1997. I'd like to thank Torfinn, Line, and the rest of the local organising committee for putting together such a fantastic programme of technical, professional and social activities. Much hard work has gone into the preparations for the event and I'm sure the benefits will be there for all to see.

The EFC is all about bringing people together and EUROCORR is where we do this best. In many ways the conference is a bit like a family reunion. Sure, we might disagree on certain things at times but when all's said and done we enjoy our time together in the spirit of international cooperation and collaboration. Robust scientific debate is followed by informal discussion and laughter, often over drinks or a good meal. We leave reinvigorated and motivated to follow up on exciting new ideas and partnerships.

During the opening ceremony of the conference, we will be recognising the contribution of two outstanding people from our community. Dr Ingrid Milošev from the Jožef Stefan Institute in Slovenia will be presented with the 2025 European Corrosion Medal, the premier scientific award of the EFC. Dr Milošev receives the award for her groundbreaking work on corrosion inhibitors and protective coatings and I'm very much looking forward to hearing her plenary talk. Following this, Pascale Bridou Buffet of the Maison de la Chimie in Paris will be inducted as an EFC Honorary Fellow. Very few people have made a more sustained and dedicated contribution to the success of the EFC over several decades and this will be fitting recognition of her efforts.

If this is your first EUROCORR, I hope you will embrace the varied opportunities that are available at the conference. As well as attending the parallel technical sessions of most interest to you, I would encourage you to chat with our amazing exhibitors, sign up for membership of one of our 24 EFC Working Parties, attend the always popular Young EFC events and, above all, extend your professional network.

That last point is particularly important. Establishing and nurturing relationships with others in your field and beyond is a key aspect of professional development. So don't miss the opportunity to grow your network. Ask questions at the end of lectures, introduce yourself in the coffee breaks, have interesting discussions over a beer and don't be afraid to ask for help or advice if you need it.

You'll see from this Newsletter just how much is going on at the moment, not just at EUROCORR 2025, but within the EFC and across our many Member Societies and Affiliate Members. There's something for everyone and I strongly encourage you to get involved, whether it's supporting the activities of a Working Party, organising an event, contributing to an EFC Green Book, delivering a training course or participating in advocacy. The more you put in, the more you'll get out. Finally, we're always looking for ways in which we can improve our offering to Member Societies, Affiliate Members and individuals. If you have any thoughts or ideas, please feel free to let me know, either by email (gareth.hinds@npl.co.uk) or even better in person at EUROCORR.

Gareth Hinds
EFC President

INSIDE THE SEPTEMBER EFC NEWSLETTER

EUROCORR 2025 in Stavanger is now just around the corner

The Norwegian Corrosion Society is expecting more than 900 corrosion professionals to attend Europe's largest corrosion conference this September

We are looking forward to welcoming you to Stavanger shortly for EUROCORR 2025!

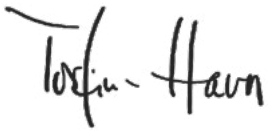
Anticipation is building - and so is the excitement. From 7th to 11th September, more than 900 corrosion professionals from around the world will gather in Stavanger, Norway. The interest in this year's event has exceeded all expectations, with exhibition space and sponsorship targets already surpassed. Click here to see the Live Floor Plan.

Hosted at Stavanger Forum, one of Norway's premier conference venues, EUROCORR 2025 will be a vibrant meeting point for scientists, engineers, industry leaders, and young professionals. With the theme *Joining Forces for Smart and Sustainable Solutions for Fighting Corrosion in Society*, the programme spans plenary lectures, technical sessions, poster presentations, and expert workshops covering every corner of the corrosion field.

Our social events are proving just as popular, as the Mentor and Mentee sessions, the Women in Corrosion networking event, and the EFC Young gathering have all reached capacity, with waiting lists now in place. We encourage participants to register soon if they haven't already - new registrations continue to arrive daily. Register here.

Beyond the scientific and technical content, Stavanger provides an unforgettable setting. As the city celebrates its 900th anniversary in 2025, we invite you to experience its rich culture, coastal charm, and world-class hospitality. Highlights of the social programme include a scenic Lysefjord cruise and a memorable Conference Dinner at the spectacular Stavanger Concert Hall.

On behalf of the local organising committee, I look forward to welcoming you to Stavanger for what promises to be one of the most dynamic and inspiring EUROCORR editions yet.



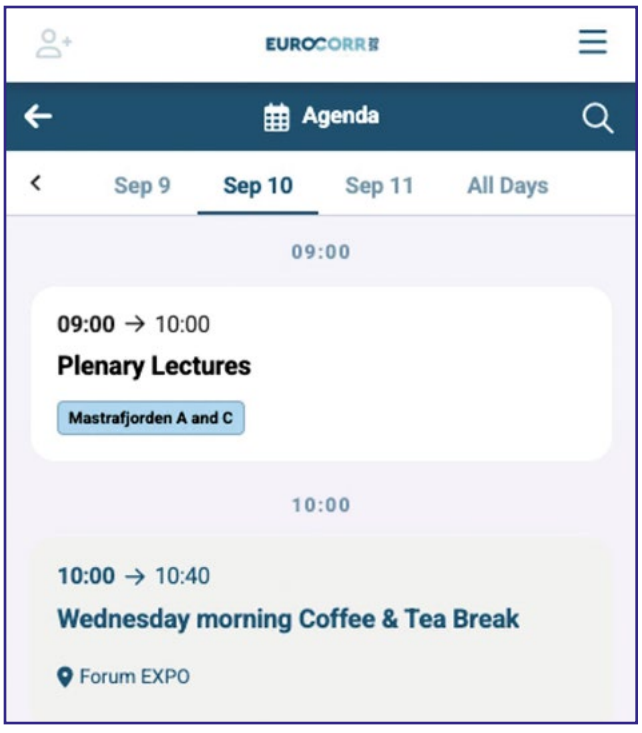
Torfinn Havn, Chair of EUROCORR 2025
Any questions? Contact eurocorr@gyro.no

PLAN YOUR EUROCORR 2025 EXPERIENCE WITH THE OFFICIAL CONGRESS APP

Your personalised program - right in your pocket, the EUROCORR 2025 app download and login details will have been sent to your registered email address in July, giving you plenty of time to look around in the app.

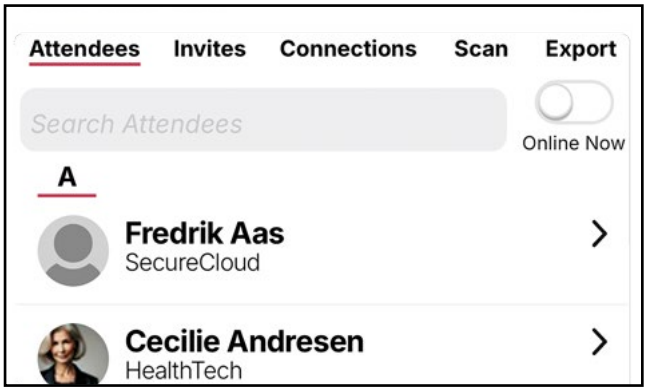
With hundreds of technical lectures taking place across the Working Parties, it can be a challenge to keep track of what matters most to you. That's why all participants are encouraged to explore the programme in the app and star-mark the lectures they find most relevant or interesting. These favourites are then collected into your personal agenda, where you can easily spot time clashes and prioritise accordingly.

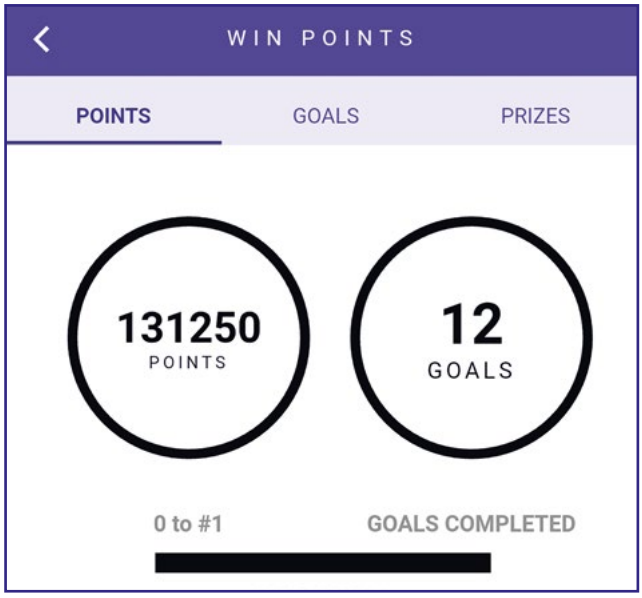
The International Scientific Committee are currently in the process of finalising the full schedule, including exact presentation times for each speaker in every session. As soon as this is complete, everything will be updated automatically in the app – ensuring minimal last-minute changes and maximum clarity for you.



Open your phone camera over the QR code to visit the EUROCORR 2025 website

Open your phone camera over the QR code to follow on Linkedin





START NETWORKING NOW – MEET YOUR FELLOW PARTICIPANTS BEFORE YOU ARRIVE

EUROCORR 2025 is not only about knowledge – it's about connections. And you don't have to wait until September to start building your network.

In the app, visit the Meeting Hub or the Attendees list and click the arrow symbol next to names to send connection requests. Once connected, you can exchange messages, set up meetings, or simply see who shares your interests.

JOIN THE FUN – TRY THE EUROCORR 2025 GAMIFICATION CHALLENGE

Join the EUROCORR gamification and turn your conference journey into a challenge. Compete, connect, and have fun – all while exploring EUROCORR in a whole new way.

Not to mention the amazing prizes (to be revealed!) and the glory of making it to the Top 10 Leaderboard. And a few of challenges have already been launched:

1. Post a photo on LinkedIn and tag the EUROCORR 2025 host – earn X points
2. Share a moment on the Photo Wall in the app – earn X points
3. Interact with other posts on the wall by liking or commenting – earn X points

More tasks will be released as the congress approaches. Ready, Set, and Game.

Top three things to do in Stavanger

Flickr / Domenico

Known for its street art, food, and culture, Stavanger is on the doorstep of mesmerising natural attractions like Preikestolen, the Lysefjord, Kjerag, Dalsnuten, Flørli, Flor & Fjære, as well as a myriad of surrounding islands. If that's too much for one visit, here are three ways to enjoy your downtime in Stavanger.

1. OLD STAVANGER

The old part of the city is one of the must-visit on any trip to Stavanger. This area, also known as Straen, consists of 173 wooden houses located close to Stavanger's harbour. Most of the houses are painted white, and all of them are charming and slightly crooked.

Photo: Sven Erik Knoff

Photo: Brian Tallman

2. FARGEGATEN

A street in Stavanger that you've probably already seen pictures of on social media, Fargegaten (the street of colours) was previously a somewhat forgotten part of the city that had its renaissance after residents decided to paint the houses in vibrant colours. It has since played a main character role among the attractions in Stavanger.

Photo: Espen Grønli

3. NORWEGIAN PETROLEUM MUSEUM

The Norwegian Petroleum Museum is one of the most popular museums in Stavanger. Hard to miss along the harbour promenade, as it's shaped like an oil platform, the building alone is worth a visit. Inside, the museum tells the important story of how oil was found and how it is extracted.

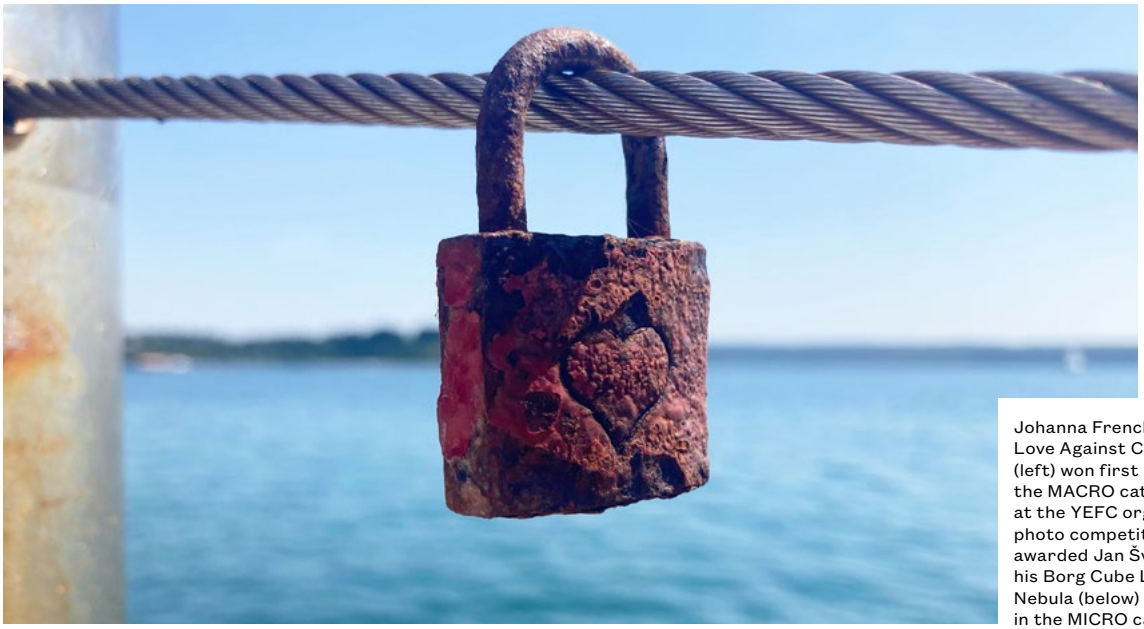
EDGE OF NORWAY™

Open your phone camera over the QR code to visit the EUROCORR 2025 website

Open your phone camera over the QR code to follow on Linkedin

Picture this: Stavanger to host Young EFC photo competition

Titled Corrosion Through the Lens, the YEFC invited people from all walks of life with a passion for photography to submit their photos as part of Corrosion Awareness Day

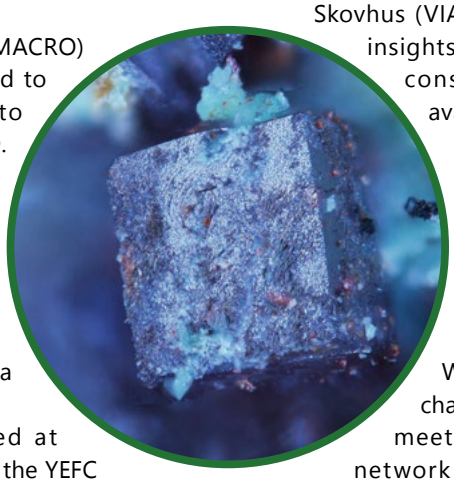


Johanna Frenck's photo Love Against Corrosion (left) won first prize in the MACRO category at the YEFC organised photo competition, which awarded Jan Švadlena and his Borg Cube Lost in a Nebula (below) first place in the MICRO category

Under the banner of World Corrosion Awareness Day, the Young EFC organised the photo competition *Corrosion Through the Lens*, which attracted a range of interesting photos across two corrosion-themed categories.

In the Microscopic Deterioration (MICRO) category, first place was awarded to Jan Švadlena and his *Borg Cube Lost in a Nebula*, while other impressive photographs, which took second to fifth place included, *A Rusty Cosmos* by Johanna Frenck, *Sorting Hat of Corrosion* by Lisa Ott, *Last Day of Pompeii* by Kateryna Popova, and *The Holes* by Rene Pfister.

In the Macro-Scale Damage (MACRO) category, first place was awarded to Johanna Frenck with her photo entitled *Love Against Corrosion*. *I'm a Little Bit Rusty* by Alessandro Ceriani, *Corrosion Drive* by Kateryna Popova, *Corrosion Wrecking Ship Chains* by Lisa Ott, and *Ghosts Can't Escape* by Aleyna Bayatli took second to fifth place in a category boasting a range of impressive photographs.



The photos will be exhibited at EUROCORR2025 in Stavanger and the YEFC would like to thank all participants in the competition and congratulate the winners.

Did you miss the career webinar?

The online EFC career webinar provides an overview of the diverse range of careers within the corrosion community and helps to demystify some career pathways.

After a break, the YEFC Career Webinar returned with Jörg Vogelsang (Sika Technology AG) hosting a career retrospective about his 33 years as a scientist in industry, the use of electrochemical impedance spectroscopy for coating characterisation, and career tips for early career professionals. In May, YEFC also welcomed Torben Lund Skovhus (VIA University College, Denmark), who shared insights from his career journey across academia, consultancy, and industry. The recording is available on the YEFC YouTube channel.

Curious about the YEFC?

The YEFC warmly welcome you to join their community and activities at EUROCORR2025. Comprising people from all levels of ambition and experience. Whether it's at a Young EFC Fireside Chats with industry experts, the Women in Corrosion Luncheon, or simply for a chat at the EFC booth, the team look forward to meeting you. Do not miss this opportunity to network with fellow professionals and engage in meaningful discussions that can enhance your career and leadership journey.

Young EFC and CREATE CORRECT CSI summer school

Focusing on ethics and politics related to corrosion science and engineering, the hybrid summer school attracted 50 contributors from a range of countries

In-person and online, the CREATE CORRECT and YEFC co-organised summer school welcomed a variety of contributors, who shared their expertise, insights, and career pathways with participants

In collaboration with the CREATE CORRECT programme, the Young EFC organised a summer school from 9th to 13th June, with 50 contributors from many different countries and more than 50 participants enjoying a wide variety of insightful discussions.

The YEFC would like to offer a big shout-out to Yolanda Hedberg (CREATE CORRECT/UWO, Canada) and Noémie Ott (YEFC/WP8/OST, Switzerland) for co-organising and co-leading this hybrid summer school over two time zones.

Reynier Revilla (TF AM/YEFC/VUB, Belgium), Anna Igual Muñoz (WP18/EPFL, Switzerland), Martina Cihova (Empa, Switzerland) and Delphine Neff (WP21/CEA, France) also deserve thanks for co-organising the European sessions.

And a big thank you goes to Narges Hajiqasemi (CREATE CORRECT/UWO, Canada) for her support throughout.

A range of topics were discussed at the summer school, with a focus on ethics and politics related to corrosion science and engineering, including:

→ Industry-relevant corrosion webinars, covering topics like corrosion in nuclear, oil, and gas industries as well as cultural heritage and biomedical applications.

→ AI and machine learning ethics, exploring responsible technology applications.

→ Synchrotron-based techniques: how do they benefit corrosion science and engineering, how to apply for beamtime?

→ FAIR data and open science.

→ Career development: résumé building, career in the third space, utilizing LinkedIn.

The YEFC extends its thanks to the excellent contributors for sharing their expertise, insights, and career pathways with participants. And to all participants, both virtually and in-person, all over the world, for your many questions, interest, and appreciation. Selected recordings are available on the YEFC YouTube channel and website.

CORmentorship programme

The second round of the CORmentor international corrosion mentorship programme is nearing its end. The YEFC is happy to promote the CORmentor programme, which supports corrosion students, early career professionals, and established professionals embarking on a major career change.

It's hoped the initiative will attract many new and old applicants in the coming year, as mentees and mentors, or even both. The application portal is now open. New pairs of mentors and mentees will be decided in autumn 2025.

So, why is mentorship important? The overall goal of the mentoring programme is to support corrosionists making a major career change. It aims to enhance the career growth and development of participants, while also contributing to their success by leveraging the knowledge, skills and experiences of mentors. Visit efcweb.org/YoungEFC to learn more, provide feedback, or apply as a mentee or mentor.

Introducing the YEFC board

The YEFC board consists of **Sajjad Akbarzadeh** (UMons, Belgium), **Arthur Boidot** (NOF Metal Coatings Europe SA, France), **Bartlomiej Guzik** (Mankiewicz Gebr. & Co, Poland), **Nikola Machácková** (VŠCHT Praha, Czech Republic), **Mirsajjad Mousavi** (Teijin Aramid BV, Netherlands), **Noémie Ott** (OST, Switzerland), **Ana Kraš** (Jožef Stefan Institute, Slovenia), **Reynier Revilla** (VUB, Belgium), **Valentina Valbi** (Laboratoire de recherche des monuments historiques, France), and **León Zendejas Medina** (KTH Royal Institute of Technology, Sweden).

This is all made possible with the help of a valued sponsor

The Young EFC would like to acknowledge EFC Affiliate Member, Mankiewicz as a super sponsor of YEFC activities. For more than 130 years, Mankiewicz has been developing innovative coating systems that protect surfaces in a wide range of applications. Their coatings not only offer protection in the highest corrosion classes, but also against constant mechanical stress, UV radiation and aggressive chemicals.

They remain committed to providing customised solutions that meet the exact customer needs. After all, every industry, every component and every material pose different corrosion protection challenges. With 1,700 employees worldwide, Mankiewicz are always close to their customers.

Their aim is to work together to drive innovation and develop new solutions to address the challenges of corrosion protection. At EUROCORR 2025 in Stavanger, Mankiewicz look forward to exchanging ideas with experts from all over the world and talking to young talents who want to help shape the future of this exciting field.

After all, corrosion protection is not just a technical necessity - it is a decisive factor for sustainability, resource conservation and long-term profitability. Mankiewicz offers a wide range of coating solutions that are tailored to the specific requirements.

Visit mankiewicz.com for more information.

MANKIEWICZ
Coating Concepts of the Future

EFC Loyalty Programme to return at EUROCORR

For the second successive year, the renewed Loyalty Programme Session will be implemented during EUROCORR in Stavanger

Offering EFC Affiliate Members and/or regular exhibitors who have been an exhibitor in Paris, Brussels, and Berlin the opportunity to communicate and interact differently with all the delegates, the EFC Loyalty Programme has been established to recognise the commitment of the Federation's partner companies by offering them better visibility and better services.

Twenty companies are eligible this year, including 3X Engineering, BAC Corrosion Control, Bio-Logic, C-Cube, Clampon, Comsol, Cormet, Cortec, Elsyca, Gamry, IFE, Ivium Technologies, Luna Labs, Metrohm, OLI Systems, Palmsens, Parr Instrument, Q-Lab, Trenton, and VDM Metals.

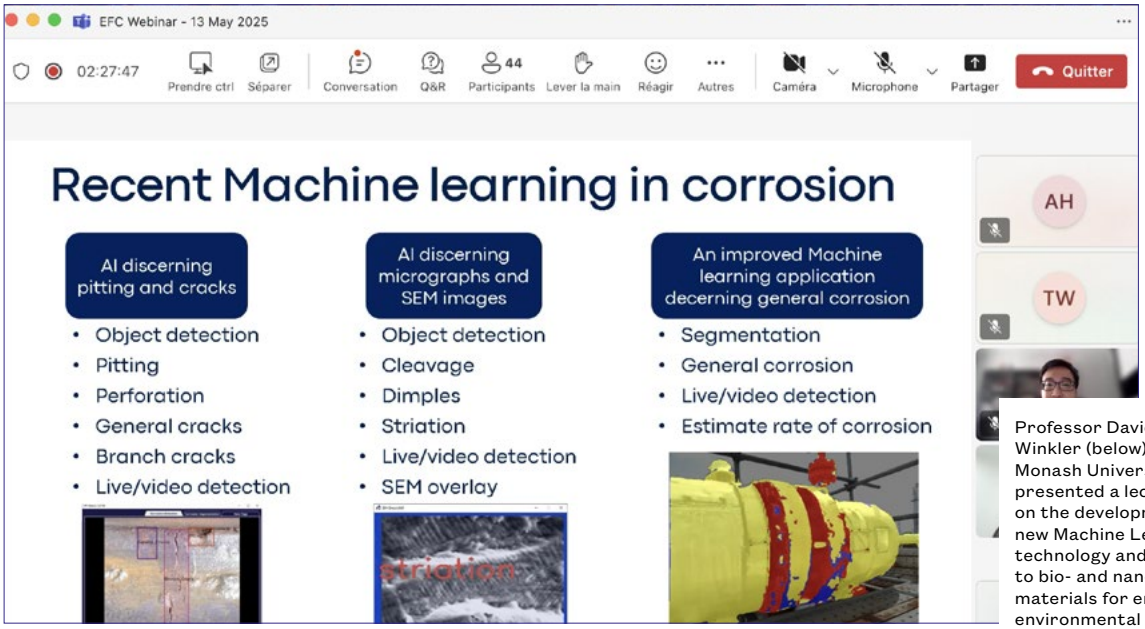
These companies will host presentations, which are listed in the EUROCORR Scientific Programme. The presentation titles are listed on the app of the congress and if you want to know more about the organisation or presentation, then you can meet the speaker and representatives of each company on their booth.

This session is split and planned on Monday, Tuesday, and Wednesday after the lunch break and before the afternoon scientific sessions in Stavanger. Scheduled during the 1:20 to 1:45 slot in different rooms (Forum Deli, Vindafjorden, Jaeren, Preikestolen, and Kjerag) the session will include a 20-minute presentation and time for a Q&A. Specific roll-ups are available to present the programme and be sure to check the app to get the latest information about companies, lecture titles, speakers, and locations.

If you want to know more about the eligibility conditions and the benefits of the Loyalty Programme, then contact Pascal Collet coo@efcweb.org or visit the EFC booth.

Comprehensive AI webinar focuses on Machine Learning

Experts from industry and academia attended the event titled From Data to Decisions: Leveraging AI and ML in Corrosion Science, Materials Engineering and Management



Professor David Winkler (below) from Monash University presented a lecture on the development of new Machine Learning technology and application to bio- and nanomaterials, materials for energy and environmental applications

More than 30 registered participants attended the new EFC webinar on 13th May 2025, which offered a broad and comprehensive programme with a special focus on Machine Learning.

Gathering speakers from academia, research institutes, technology centres, and industry, the webinar titled *From Data to Decisions: Leveraging AI and ML in Corrosion Science, Materials Engineering and Management* presented their various experiences in corrosion science, materials engineering, and management.

Prof. Mikhail Zheludkevich from Helmholtz-Zentrum Hereon acted as a moderator of the session based on three lectures from academia, including presentations by Professor David Winkler (Monash University, Australia) about the development of new machine learning technology and its application to bio- and nanomaterials, materials for energy and environmental applications, while Dr. Christian Feiler (Hereon) focused on AI-driven corrosion inhibitors discovery, and Professor Nicholas Harrison (Imperial College, London) explored how to connect molecular science to engineering in case of detection, prevention and mitigation of corrosion.

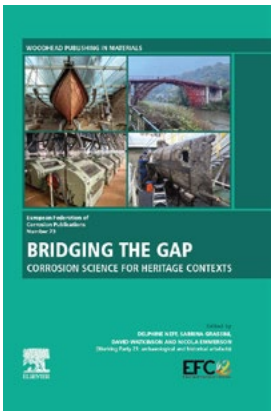
From an industry perspective, Qi Chee and ShiLiang Johnathan (Matcor) showed how AI is able to help monitor and detect industrial corrosion, while Christophe Baeté (Elsyca) explored the future of Digital Twin for corrosion management and compliance. Dr Axel Homborg (Netherlands Defence Academy) moderated the industry session, which continued with a panel table about the requirements for ML to earn the trust of asset owners, maintainance contractors, and the scientific community as a whole.

Strong message

Bram Coulier (Exxon Mobil), Dr. Manoj Gonuguntla (Shell), Dr. Patrick Keil (BASF Coatings) all delivered strong messages, including the importance of data collection (reliable and numerous) to implement and use ML techniques, the necessity of close co-operation between (corrosion) specialists and data scientists to make projects successful, and finally to be careful with modifying proven effective AI-based asset management solutions instead of chasing new developments, which is in many cases a considerable task given the rapid pace of progress in this field. The last lecture was given by Antonin Braun (Aquila) presenting case studies of generative AI related to Documentation, Conformity and Maintenance.

EFC Green Book 73 is the latest addition to the series

Bridging the Gap: Corrosion Science for Heritage has been edited by Delphine Neff, Sabrina Grassini, David Watkinson, and Nicola Emmerson



The EFC Green Books has a new publication titled *Bridging the Gap: Corrosion Science for Heritage Contexts*, which explores the decision-making processes for preserving heritage metals and examines their collaborative, interdisciplinary relationship.

Through themed chapters, the 73rd edition of the Green Book series aims to develop and strengthen research collaborations, creating a synergy that benefits science and practice for the preservation of heritage metals.

Building an overview of the challenges faced in metal conservation across a broad range of heritage contexts, from indoor museum displays to fixed outdoor structures and moving objects, researchers and practitioners provide critical insights into corrosion problems within heritage, current corrosion mitigation procedures, and the evidence supporting best practice guidance.

Providing a valuable reference resource for corrosion and corrosion protection scientists, heritage preservation scientists, conservation practitioners and students studying the preservation of cultural objects, the book is edited by Delphine Neff, research director at CEA, Saclay (France), Sabrina Grassini, associate professor of Applied Physical Chemistry, Politecnico di Torino (Italy), David Watkinson, professor of Conservation at Cardiff University (Wales), and Nicola Emmerson, conservation scientist, Cardiff University (Wales).

Working Party 4 cap busy period with landmark award

The 10th Henri Coriou Award will be given to Ingrid Proriol Serre at EUROCORR, which marks the beginning of an active few months for the Working Party on Nuclear Corrosion

Ingrid Proriol Serre (left) will be awarded the prestigious WP4 Henri Coriou Award for outstanding contribution to corrosion science and engineering in the nuclear field at EUROCORR in Stavanger

This year, the prestigious WP 4 Henri Coriou Award for outstanding contribution to corrosion science and engineering in the nuclear field will be given to Ingrid Proriol Serre (Unité Matériaux et Transformations, Lille University, France). The award ceremony will take place at EUROCORR at 16:30 on 8 September in room Synesvarden (Forum Building).

Ingrid Proriol Serre's career has focused on understanding corrosion-mechanical couplings, particularly in extreme environments. For more than 20 years, she has contributed significantly to the study of interactions between corrosion and mechanical stress, particularly in the context of structural materials for nuclear applications involving liquid metals and, more recently, molten salts.

She has developed and adapted various mechanical testing methods in the presence of liquid metals under conditions found in nuclear systems. Her analyses span multiple scales and techniques, including XRD, SEM-EDS-EBSD, and ToF-SIMS, to understand damage mechanisms and microstructural evolution. Her work has not only identified mechanisms responsible for material degradation but has also proposed material solutions and operational conditions to mitigate damage under mechanical stress in liquid metal environments. She mentors students, focusing on damage analysis and the behaviour of materials under combined mechanical and environmental stresses. Dr. Proriol Serre contributes to international working groups, including the OECD-NEA, in liquid metal-based nuclear technologies, and has been involved in WP 4 activities for several years.

6th Online Seminar on Nuclear Corrosion

Adrien Couet, Professor in the Department of Nuclear Engineering and Engineering Physics (University of Wisconsin-Madison, USA) hosted the WP 4 6th Online Seminar on Nuclear Corrosion with an excellent talk on accelerated alloy discovery for molten-salt reactors via high-throughput corrosion testing and machine learning. The talk was attended by 30 people and was followed by an interesting Q&A session. For those who missed it, the recording is available on the Young EFC YouTube channel.

Nuclear Corrosion session at EUROCORR

More than 40 oral and poster presentations are scheduled at the excellent nuclear corrosion session in Stavanger from Monday to Wednesday, where the Fall WP 4 Business Meeting is planned for 10 September at 15:00 in the Synesvarden room (Forum Building).

Another exciting event around the corner

Preparations have already begun for the next Nuclear Corrosion Summer School (NuCoSS-27), which is set to take place around July 2027, likely in Slovenia. More information will be available in the April edition of the EFC Newsletter and on efcweb.org/WP4 in early 2026.

Corrosion community pays respect to Digby D. MacDonald

Best known for developing the landmark Point Defect Model theoretical framework, MacDonald's distinguished career left an indelible mark on the global scientific community

We are deeply saddened to share the news of the passing of the world-renowned expert in corrosion science and electrochemistry, Professor Digby D. MacDonald. At the time of his death, he was Professor in Residence in the Departments of Nuclear Engineering and Materials Science and Engineering at the University of California, Berkeley.

Professor MacDonald began his academic journey in New Zealand, earning a BSc and MSc in Chemistry from the University of Auckland. He later completed his PhD in Chemistry at the University of Calgary, Canada. His early career included research roles at the Whiteshell Nuclear Research Establishment of Atomic Energy of Canada Ltd. (1969–1972) and as a lecturer in chemistry at Victoria University of Wellington, New Zealand (1972–1975).

He rose to prominence as a Professor of Materials Science and Engineering and Director of the Fontana Corrosion Center at Ohio State University (1979–1984). He held research and leadership positions at SRI International in Menlo Park, California, from 1984-1991 and again from 1998–1999. Between 1991 and 2012, he served as Professor of Materials Science and Engineering at Penn State University, where he mentored students and continued groundbreaking research.

Professor MacDonald is best known for developing the Point Defect Model (PDM), a landmark theoretical framework for understanding the growth and breakdown of passive oxide films on metals. His work provided new insights into localised corrosion phenomena and significantly improved our understanding of materials performance in extreme environments. He wrote more than 560 peer-reviewed publications, and his research has had lasting influence on both academic and industrial practices in corrosion prevention and materials durability.

In recognition of his extraordinary contribution, Professor MacDonald received national and international awards. He was a dedicated mentor, colleague and advocate for scientific excellence, and was involved in several activities of Working Party 4. His passing is a profound loss to the materials science and corrosion communities. He leaves behind a legacy of scientific innovation, rigorous scholarship, and inspiration for future generations. Our thoughts and deepest condolences are with his family, friends, and colleagues around the world.

WP18 on Tribocorrosion organise international conference in Vienna

Working Party 18 on Tribocorrosion will host the Tribocorrosion 2025 international conference from 21–23 October 2025 in Vienna, Austria. Organized by the Austrian Member Society ASMET, at the initiative of WP18 Chair and Vice Chair, Dr. Manel Rodriguez Ripoll (AC2T research GmbH, Wiener Neustadt, Austria) and Dr. Anna Igual Muñoz (EPFL, Lausanne, Switzerland), the event is listed as EFC Event No. 521.

The two-day meeting at the ARCOTEL Wimberger Wien will gather scientists and engineers from academia and industry to advance understanding of the role of corrosive environments in friction and wear. The program will reflect the theme *Wear in reactive environments: from marine applications to the hydrogen economy on the way towards decarbonization* and address the full spectrum of tribocorrosion research, from biomedical to offshore and energy applications. Visit asmet.org for more information.

WP 23 on Corrosion Reliability of Electronics announce new award

Initiated by Rajan Ambat, Chair of the EFC Working Party 23 on Corrosion Reliability of Electronics, this year's WP 23 session at EUROCORR 2025 will feature a ZESTRON Best Paper Presentation Award for Junior Researchers, which is aimed at PhD and postdoctoral students.

The prize will be awarded according to an evaluation scheme developed by the leadership team of WP 23 and the winner will receive a cash prize of €500. The award is planned to be presented during the closing session of EUROCORR 2025 in Stavanger.

The focus of WP 23 is on understanding the root cause for humidity related failures based on corrosion and electrochemical mechanisms, combined with electronics and electrical aspects.

The award is generously sponsored by ZESTRON. For over 30 years, ZESTRON has been supporting its customers in making manufacturing processes more robust, increasing product reliability, and maximising yield – for assembled PCBs and Power Electronics.

Honorary Fellow and Corrosion Medal winners announced

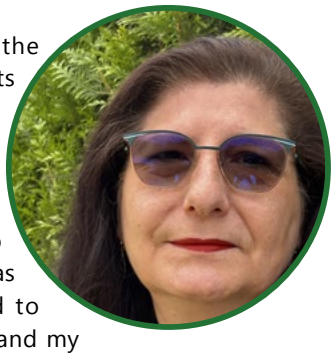
Ingrid Milošev (Jožef Stefan Institute) has been honoured as the European Corrosion Medal winner and Pascale Bridou Buffet (Fondation de la Maison de la Chimie) has been made an Honorary Fellow

It has been announced that Pascale Bridou Buffet (Fondation de la Maison de la Chimie, France) will receive the Honorary Fellow Award of the EFC during the Opening Session of EUROCORR 2025 in Stavanger.

In making this decision, the EFC Award Jury recognised Pascale's outstanding commitment to the EFC and unwavering support of its mission and activities during her 26 years of service. Indeed, few people have made a more significant and sustained contribution to the wellbeing of the EFC during this time than Pascale and the Honorary Fellow Award is richly deserved.

The presentation ceremony will be held during the Opening Session of EUROCORR 2025 in Stavanger (Norway) on Monday morning, 8 September.

"It is a huge honour," said Pascale "and I am very proud to receive this award in recognition of my support and my involvement in the EFC activities during these 26 years which allowed me to have the opportunity and the pleasure to meet a lot of very wonderful and nice people. That has been a permanent enrichment, both professionally and personally.



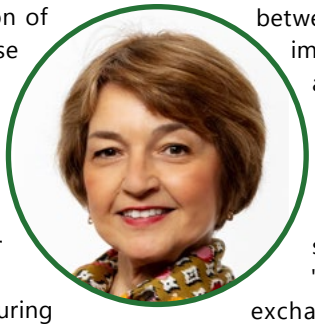
"I'm particularly proud of the trust of the different Presidents and BoA Members that I accompanied during all these 26 years, in the frame of the tasks and administrative matters that were entrusted to me within the EFC Paris Office, as Paris Office secretariat, and to whom I brought my support and my sustained involvement for the operating activities, while watching for the respect of the EFC rules and processes."

Pascale will celebrate her 27th year associated with the EFC in Stavanger, and has to this to say to the next generation: "My advice for young corrosionists is to involve themselves in the EFC (for example joining the Young EFC Group and/or Working Parties related to their works of research) to take advantage of this large community and these networks of the EFC to exchange as much as possible with some caring experts to collect their advice and benefit of their experience."

The European Corrosion Medal will this year be presented to Ingrid Milošev (Jožef Stefan Institute, Slovenia) for her exceptional contribution and significant research on corrosion inhibitors and coatings for a range of materials in technological and biomedical applications.

Recognised by the EFC Award Jury for her groundbreaking work that continues to inspire researchers worldwide, Ingrid is an exemplary choice for this prestigious honour.

The European Corrosion Medal is the premier scientific award of the European Federation of Corrosion (EFC) and is designed to recognise achievements by an individual working in corrosion research and development targeted at furtherance of fundamental knowledge, innovation and/or best practice underpinning the sound application of corrosion science, technology, and/or engineering in the widest sense.



The presentation ceremony will be held during the Opening Session of EUROCORR 2025 in Stavanger on Monday 8 September. As a recipient of the European Corrosion Medal, Ingrid will be invited to present a lecture on a topic appropriate to the award.

"I am very honoured and proud to receive the European Corrosion Medal," said Ingrid, who works as the Head of the Department of Physical and Organic Chemistry at the Jožef Stefan Institute in Ljubljana. "It is deeply meaningful, not only as a personal milestone, but also as an acknowledgement of the broader scholarly work, my co-workers, colleagues, and collaborations that have shaped my research journey.

"Reflecting on my time with the EFC, there have been many meaningful moments. For me, the collaboration between academic work and industrial applications is important in a way that exemplifies what we aim to achieve as researchers. Seeing that our work not only generates academic interest but also informs practice or policy was particularly rewarding. Also, particularly meaningful was seeing young researchers I mentored successfully present their work at EFC meetings.

"The EFC provides not just a platform for scientific exchange, but a true community – a place where friendships, mentorships, and ideas grow. To young corrosionists: be fearless in asking questions, stay grounded in the fundamentals, take every opportunity to contribute meaningfully, and seek out the people and problems that truly inspire you."

Travel Grant and EFC Young Scientist Grant winners 2025

Five young corrosionists have been recognised for this year's Travel Grant and EFC Young Scientist Grant awards, and will be presented with their honours at EUROCORR

Othmane Bannour and Arvin Jia Qing Chen have been announced as the winners of the 2025 EUROCORR Travel Grant.

The EUROCORR Travel Grant provides financial support to young corrosionists to help facilitate their participation in the EUROCORR conference. The Grant is intended for students from countries or organisations where they encounter difficulties travelling to the EUROCORR venue because of financial constraints. The Grant will be presented at EUROCORR in Stavanger.

Othmane Bannour is a PhD student in Applied Chemistry and Environment - Corrosion and Surface Treatment (Hassan First University, Faculty of Sciences and Techniques, Settat, Morocco) and he will benefit from financial support to help him attend EUROCORR.

Othmane submitted an abstract on accurate prediction of corrosion rate in hot-dip galvanized steel exposed to aggressive acid mixtures: A robust machine learning model as part of his application.

Arvin Jia Qing Chen, a PhD student at the University of Manchester, Materials Department, Manchester, United Kingdom was recognised for his submitted topic on Vitrimer-based Nanocomposite Barrier Coatings for Aluminium Alloys.

"Winning this grant presents an invaluable opportunity for me to share my work at the conference, and also allows me to learn and be up-to-date on the recent advancements in my area of research," said Arvin of the award, which is available to students with less than eight years of professional experience, includng PhD.

"The conference lectures are what I look forward to the most as I aim to deepen my understanding in the research areas related to my work, broaden my perspective, and connect with others in the community."

Jonatan Gomez Granados, Klára Kuchtáková, and Marina Furbino Martins have been named as the recipients of the EFC Young Scientist Grant 2025.

The EFC Young Scientist Grant has been presented since 2016 and aims to stimulate interaction and collaboration within the international corrosion community, by providing financial support to junior corrosionists to enable them to visit and interact with other corrosionists at their home institute abroad and to discuss research issues of mutual concern relevant to the field.

A special EFC Young Scientist Grant Selection Committee makes the grant selection on the basis of brief proposals submitted, which will be presented at EUROCORR in Stavanger. This year, Jonatan Gomez Granados (Complutense of Madrid (UCM), Madrid, Spain) will visit Prof. Annick Hubin and Prof. Herman Terryn (Vrije Universiteit Brussel, Brussels Belgium) for research on FUN-IN: FUNctionalized waterborne coatings: IN-situ monitoring.

Klára Kuchtáková (University of Chemistry and Technology Prague, Prague, Czech Republic) will visit Prof. Dake Xu (Northeastern University, PR, China) to study MIC and hydrogen entry: Assessing the combined impact of microbial activity and surface state on pipeline steel. And, Marina Furbino Martins (Vrije Universiteit Brussel, Brussels, Belgium) will visit Prof. Manuele Dabalà (Università degli Studi di Padova, Italy) for Investigating early-stage corrosion in duplex steel produced by WAAM using microcapillary electrochemical studies.

"This grant is both a personal achievement and a milestone for my research," explained Marina. "It gives me the chance to learn from leading experts at the University of Padova and to contribute to advancing the knowledge of corrosion behaviour of WAAM-produced metals. The findings will support the development of more sustainable materials with broad industrial and environmental impact. I feel honoured and excited for what lies ahead."

September date set for first EUROCORR in Ireland

EFC President and Chair of EUROCORR 2026, Professor Gareth Hinds promises céad míle fáilte (a hundred thousand welcomes) to everyone attending EUROCORR 2026 in Dublin

Wikimedia Commons/Miguel Mendez

Abstract deadline for the first EUROCORR to take place in Ireland is 16 January 2026, notification of acceptance to authors will be mid-April 2026, and reduced fee for early registration ends May 2026

"As a native of the city, I'm delighted and honoured to have the opportunity to showcase everything Dublin has to offer," reveals Gareth Hinds, Chair of EUROCORR 2026. "History, art, theatre, literature, music, dancing, and of course that unique Irish pub culture! You'll be made to feel relaxed and at home wherever you go."

The Institute of Corrosion and the Institute of Materials, Minerals & Mining are joining forces to deliver an unforgettable conference experience, blending the EFC community with the world-class facilities of The Convention Centre Dublin and the warmth and charm of Ireland's capital.

Beyond its vibrant culture, Dublin is a hub for innovation, research and global collaboration – providing the perfect backdrop for thought-provoking discussions coupled with an atmosphere perfect for networking. Delegates can look forward to engaging sessions covering practically every aspect of corrosion science and technology set against a cityscape rich with history, lively pubs and welcoming streets, all within easy reach of stunning coastal and rural escapes.

Supporting the quality technical programme, one of the highlights of EUROCORR 2026 will be the conference dinner at the Guinness Storehouse, a seven-floor interactive experience featuring a rooftop bar with a panoramic view of the city and Dublin Bay. Here delegates can discover over 250 years of brewing history at St. James's Gate, learn how to pour the perfect pint, have their photo printed in malt on the top of a pint of Guinness, and enjoy some traditional Irish music. It promises to be an unforgettable evening.

Situated at the heart of Dublin's transport hub with excellent air, road, rail and sea connections, The Convention Centre Dublin is easily accessible for all! Dublin Airport is one of the busiest in Europe, with hundreds of daily flights providing a huge range of options. The convention centre is situated on the River Liffey, 15 minutes from the airport and a short walk from the centre of the city.

A visit to Dublin opens the gateway to explore some of the breathtaking tourist attractions Ireland has to offer. Perched on the western seaboard of Europe and heavily sculpted by glaciers during the last Ice Age, the Emerald Isle boasts some truly spectacular scenery, cloaked in its famous forty shades of green. Gareth personally recommends the Cliffs of Moher, the Giant's Causeway, the Ring of Kerry, Blarney Castle, Newgrange and Glendalough, and there are many more! As they say in Dublin, the 'craic' will be mighty. We look forward to seeing you there.

Visit eurocorr2026.org to find out more.

CEFRACOR to host 8th Days on Cathodic Protection

The French Member Society have announced a three-day event at the Centre de Congrès of Aix-en-Provence in October on the theme of Buried, Marine, Concrete Structures and Internal Surfaces

The event in Aix-en-Provence is expected to welcome between 120 and 150 experts, specialists, and newcomers to the south of France where more than 50 oral presentations are scheduled to take place

Following the highly successful events hosted by CEFRACOR's Working Party on Cathodic Protection & Associated Coatings, the French Member Society has announced a new three-day seminar at the Centre de Congrès in Aix-en-Provence from 29 September to 1 October 2026.

Participants will exchange recent advances in scientific research, industrial applications, design practices, monitoring techniques, standardisation, and professional certification across all sectors of cathodic protection and associated coatings at EFC event no. 536.

The theme of the conference is *Theory and Applications - Buried, Marine, Concrete Structures and Internal Surfaces*, which will largely be in French, with selected written texts, oral presentations and posters in English (no simultaneous translation).

Between 120 and 150 experts, specialists, and newcomers from France and abroad are expected to attend the event, which will host four dedicated sessions over the course of the three-day event, as well as more than 50 oral presentations, which will predominantly be in French, with a few talks in English.

Call for papers

A call for papers (oral or poster) has been launched, with applicants required to cover one or more of the themes selected for the provisional program:

→ General – All works: Fundamental aspects, design and modelling, protection criteria, limits of use, regulations, standardisation, recommendations and certification in cathodic protection and coatings.

→ Land-based structures: Underground pipelines and storage tanks, tank bottoms, etc.

→ Maritime structures: Port structures, offshore oil installations or installations supporting wind turbines, ships, etc

→ Reinforced and prestressed concrete structures: Above ground, buried or submerged.

→ Internal surfaces: Storage tanks and vats, ballasts, interior of offshore wind turbine supports, heat exchangers, pipelines, etc.

Submitted abstracts (1/2 to one page) must be sent in French and English to communication@cefracor.org before 31 January 2026.

Exhibition and sponsorship

An onsite exhibition will feature over 20 booths, showcasing the latest products, services, and innovations. Applications for exhibition space and sponsorship packages remain open.

Registration and contact

Further information, registration details, and programme updates will be available at cefracor.org. CEFRACOR look forward to your participation in advancing the field of cathodic protection and coatings.

Italian Associations combine to host corrosion conference

This year's prestigious National Days on Corrosion and Protection conference was well attended in June of this year with over 150 people travelling to Ancona

The conference is the most important event in Italy dedicated to corrosion and protection of materials, and it attracted 154 people from universities and companies, of whom 24 were PhD students and young researchers

The Italian Association for Metallurgy (AIM) together with APCE and AMPP Italy Chapter, in co-operation with Polytechnic University of Marche, organised the 16th National Days on Corrosion and Protection in Ancona from 25 to 27 June at the Faculty of Engineering. Chaired by Prof. Tiziano Bellezze (Polytechnic University of Marche), the conference is the most important national event in Italy dedicated to corrosion and protection of materials, and it proved a success with 154 people attending from universities and companies, of whom 24 were PhD students and young researchers.

The programme included plenary lectures from Prof. Romeo Fratesi on *Theory and practice on the use of galvanized rebars in concrete*, who was also awarded with the AIM Titanium medal in memory of Prof. Pietro Pedeferri.

Prof. Ramón Nóvoa Rodríguez (University of Vigo) presented *EIS for monitoring of reinforced concrete* and Dr Eng. Milan Kouril (University of Chemistry and Technology, Prague) discussed *Resistometric technique for corrosion monitoring and research* at the two-day event, which hosted a total of 85 papers, of which 79 were oral presentations and six were poster presentations.

Within the sessions, two workshops were organised by APCE on *New challenges in cathodic protection in Italy*, and Centro Inox on *Stainless steel: solving corrosion issues using sustainable materials to protect the environment.* There was also a small but significant session dedicated to educational experiences in corrosion, where new teaching approaches were illustrated by Prof. Andrea Brenna (Politecnico of Milan) and Prof. Tiziano Bellezze. In this last case, some students of the course of Corrosion and Protection of Materials, presented their experimental and theoretical work on cathodic protection of steel by sacrificial anodes, made during their internship period.

The Cecilia Monticelli Prize for the best oral presentation by a PhD student or holder of post doctorate scholarship or grant was awarded to Dr. Adriana Mento (University of Messina) for her work Evaluation of short and long-term hydrogen permeation and the role of microstructure in API 5L X65Q steel for gas pipelines. The technical sessions were accompanied by an exhibition of 10 sponsor companies.

APCE addresses cathodic protection challenges

The challenges, opportunities and definition of a sustainable technical path of cathodic protection in the world of aqueducts was discussed at the Member Society's bi-annual event

Cathodic Protection service company, SaGest, hosted the twice annual study day which this year discussed the complexity of the Italian water sectors, among a range of other challenges

As part of their effort to transfer knowledge about Cathodic Protection from gas operators to water companies over the past five years, APCE, the Italian Association for prevention of electrolytic corrosion, hosted a study day, which the Association organises twice a year, in conjunction with its Members Meetings.

The twice annual study day was held in the headquarters of one of the members, SaGest, a CP service company, and was divided into three parts, with a series of introductory theoretical speeches, followed by the presentation of a few case histories, and a final discussion panel.

Titled *La protezione catodica applicata al mondo acquedotti: sfide, opportunita'e definizione di un percorso tecnico sostenible* (Cathodic protection applied to the world of aqueducts: challenges, opportunities, and the definition of a sustainable technical path), current challenges were at the centre of discussion.

The challenges discussed included how water networks in Italy are made of a mix of pipe materials, the majority of which have already exceeded their design lifetime, and how water operators are under the control of the Italian Energy Authority ARERA since 2017, and how during this period a growing amount of data has been collected to calculate a series of technical and commercial quality indicators

The fact that the indicator for water leakages M1b, after an initial decrease, started increasing to 42.4% of water losses from source to users was also discussed, alongside how investment in reducing leakages and replacing old pipes is growing. But, it is limited by the low cost of water for the users and how the criteria chosen by the authority for reducing leakages is focused on repair, instead of on prevention, discouraging investments in Cathodic Protection. This means funds coming from Next Generation EU and React EU have been focused on pipe replacement, network digitalisation and destructuralisation, AI and satellite data, smart metering.

It was concluded that, based on the experience with the authority made in the gas sector, it can be expected that in the coming years the focus will move to effectiveness of the investments, considering that reducing water leakages is a UN Sustainable Development Goal.

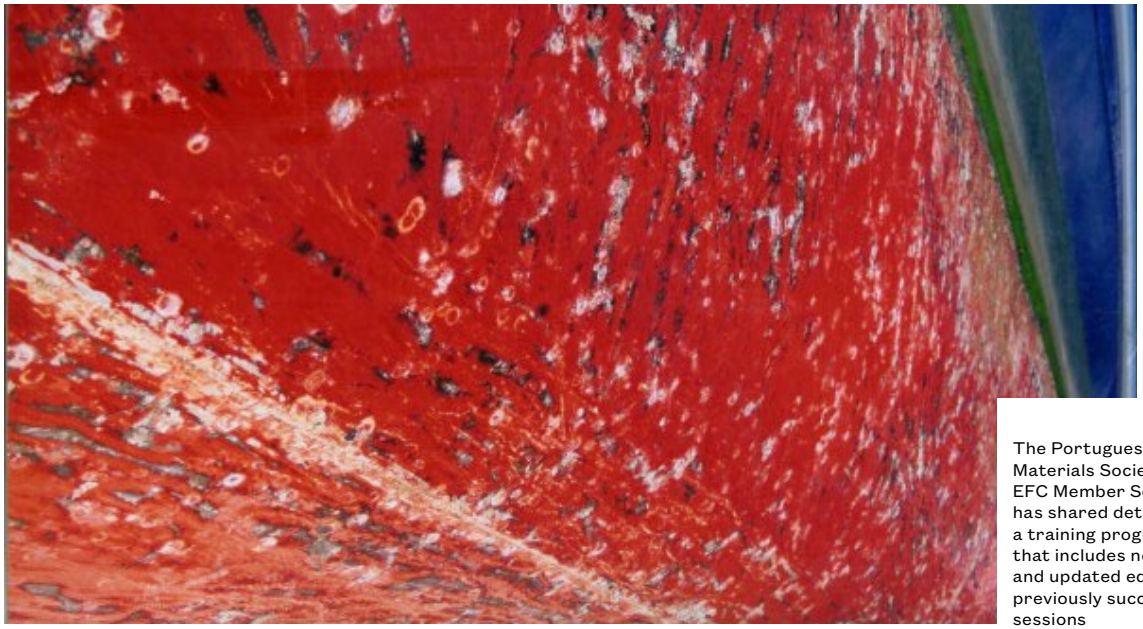
The discussion between operators was centred on the complexity of the Italian water sectors, with lots of different water network operators (a few industrial ones and a lot of in house managed by small and mid-sized towns). Complexity is added by a separate group of entities managing irrigation water, which accounts for a big percentage of consumption.

Finally, a key aspect is the lack of perceived value for water, with high usage of bottled water, even with good quality water coming low-cost from the taps. Something is changing in popular perception, after growing dryness issues and severe atmospheric phenomena, but it seems still insufficient to reverse the tendencies.

Visit apce.it to find out more.

Investing in specialised technical training with SPM

EFC Member Society, Sociedade Portuguesa de Materiais (SPM) continue their training programme legacy with five courses to address specific technical challenges



The Portuguese Materials Society, an EFC Member Society, has shared details of a training programme that includes new topics and updated editions of previously successful sessions

The Technical Division on Corrosion and Protection of Material (DTCPM) of the Portuguese Materials Society (SPM) has over the years demonstrated an ongoing commitment to advancing professional skills – and that will continue in 2025 for the EFC Member Society with a training programme that includes new topics and updated editions of previously successful sessions.

Led by recognised experts, these courses combine theoretical foundations with practical insights, offering an opportunity for professionals looking to update, deepen, or acquire essential competencies in an area that directly affects the durability, performance, and safety of materials.

→ Quality Control, Inspection and Standardisation in Corrosion and Materials Protection | 11th edition – March 2025

→ Principles, Types and Causes of Metallic Corrosion | 2nd edition – June 2025

→ Atmospheric Corrosion of Metallic Cultural Heritage – Part 1: Iron, Copper and Silver Alloys | NEW – September 2025

→ Prevention and Protection of Materials | 3rd edition – October 2025

→ Atmospheric Corrosion of Metallic Cultural Heritage – Part 2: Zinc, Lead and Aluminium Alloys | NEW – November 2025

These training initiatives are designed for engineers, technicians, researchers, and other professionals working in industry, cultural heritage, academia, or R&D, who are looking to consolidate their knowledge or address specific technical challenges. Visit spmateriais.pt to learn more.

World Corrosion Awareness Day

The DTCPM marked World Corrosion Awareness Day 2025 by organising the event, *Corrosion Training: Impacts and Challenges*.

Bringing together experts from various sectors to reflect on the strategic role of training in corrosion, the event created an opportunity to share experiences and diverse perspectives. The event welcomed around 90 participants, demonstrating strong interest and engagement from professionals across industry and academia, as well as public institutions.

The programme featured three presentations that addressed the importance of education and professional qualification in this critical field:

→ The Role of Education in Strategies to Combat Corrosion by João Salvador Fernandes (Instituto Superior Técnico)

→ Training as a Pillar for Retaining Talent and Know-How in Industry by Ricardo Soares (Montaco)

→ Corrosion and Maintenance: The Importance of Continuous Training for Building Owners by Charlotte Rodrigues (Infraestruturas de Portugal)

The event underscored the increasing relevance of technical training as a fundamental tool for mitigating the effects of corrosion, safeguarding infrastructure integrity, and strengthening competencies across the industrial and construction sectors.

Swiss Corrosion Science Day promotes scientific discussion

Set across two sessions and featuring a range of topics, SCSD on 24 April was endorsed by EFC Member Society, the Swiss Society for Surface Treatment

Typified by intense discussions following the paper presentations, SCSD was once again rich in scientific quality and its diverse contents reflected the wide range of technical implications of corrosion

The corrosion science community in Switzerland has organised the Swiss Corrosion Science Day (SCSD) since 2015 to bring scientific discussions, knowledge, expertise, and networking around corrosion science among corrosionists, corrosion groups and interested persons in Switzerland.

This year the event has been organised by EPFL within the frame of the Swiss Corrosion Network (SCN) and is endorsed by EFC Member Society, the Swiss Society for Surface Treatment (SGO-SST), while Metrohm Schweiz AG provided the sponsorship this year, bringing novelties in electrochemical corrosion instruments and software.

The oral scientific programme was structured in two sessions regrouping specific topics. The first one (made up of four talks) started with a multidisciplinary overview across scales of the scientific challenges of disposal of radioactive waste in Switzerland. Dr. Nikitas Diomidis (NAGRA) illustrated the audience with a rigorous description of the road map followed in Switzerland to help guarantee safe waste disposal burial, highlighting the important role that corrosion science has in this process.

The session was followed by a talk from Dr. Shishir Mundra (ETHZ) on the fundamental understanding of redox Fe reactions in porous media and a provocative talk on pitting initiation by Dr. Claes Olsson (Sweden) within the frame of a comprehensive talk on passivity and its key role on pitting.

The session finished with an applied talk on corrosion modelling through commercial finite element-based software. After an animated lunch accompanied by the poster discussion, the afternoon session was dedicated to specific materials related corrosion mechanisms.

It started with a talk from Dr. Anna Igual Munoz (EPFL) highlighting the importance of combining in-vitro and in-vivo measurements with a solid understanding of electrochemical reactions to tailor biomedical implants (CoCrMo and Titanium alloys) to patient corrosivity.

From the topic of permanent biomedical implants corrosion, the session continued dealing with resorbable magnesium alloys. M. Hannard (Empa) assessed, from a mechanistic point of view, the influence of trace elements on the magnesium-biological interface and their implications on corrosion rate.

The day concluded with a talk on Additive Manufacturing aluminium alloys and the effect of surface treatment on the anodising process from Dr. Noémie Ott (OST). And this SCSD edition was wrapped up with a second poster session of around 11 posters presented by corrosionists from all over Switzerland and one from Germany. They covered broad topics, including cultural heritage, tribocorrosion, biomaterials and health applications, SCC, corrosion of iron in bentonite slurries and in siderite scales, neutron imaging for corrosion applications, and hydrogen effects on passive films.

AESEC at RISE offers deeper insights into corrosion

From advanced materials characterisation to standardised testing: Improving fuel cell and electrolysis component assessment

Atomic Emission Spectro-Electrochemistry (AESEC) at RISE in Kista, Sweden, which allows for the continuous tracking of dissolved species concentrations over time

In an ongoing research effort at RISE (Research Institutes of Sweden), advanced material testing methods are being utilised to investigate the degradation mechanisms of critical fuel cells, as well as electrolyser components such as bipolar plates, catalysts, and membranes.

In the case of alloy bipolar plates, their corrosion or degradation is influenced by the electrochemical potential and pH they encounter during operation.

Under specific conditions, selective dissolution of metal ions can occur, which may subsequently lead to fenton-type reactions that poison the membrane and thereby accelerating its degradation.

While standard ex situ electrochemical techniques are highly effective for understanding the degradation kinetics and overall charge transfer of a system, they often lack specificity regarding which elements contribute towards degradation.

Elemental Dissolution

Combining electrochemical techniques with Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES), also known as Atomic Emission Spectro-Electrochemistry (AESEC) allows for the continuous tracking of dissolved species concentrations over time, providing a direct and simultaneous assessment of elemental dissolution rates in real-time.

The recent acquisition of AESEC at RISE has enabled material scientists to gain deeper insights into corrosion, leaching, and structural degradation of coated and uncoated bipolar plates in real time under simulated fuel cell, as well as electrolyser operating conditions.

There is an abundance in materials development and characterisation at a fundamental research level. The challenge, however, arises when these technologies are upscaled to industry requirements where a lack of harmonised and standardised testing protocols exists. Different developers and laboratories often use their own accelerated stress tests (ASTs), which can affect market introduction and regulation.

National Collaboration

As hydrogen generation and powered technologies gain popularity in the automotive sector RISE aims to collaborate with national and international partners in order to develop standardised testing methods that could involve assessment of coating/base material durability based on elemental dissolution rates at various operating potentials.

For more information, contact Dr. Smita G. Rao (smita.gangaprasad.rao@ri.se)

CIDETEC develop new surface treatment technology

Developed by EFC Affiliate Member, CIDETEC Surface Engineering, GELECTRODE technology aims to reduce risk and provide better adaptability to complex surface geometries

EFC Affiliate Member, CIDETEC Surface Engineering has developed GELECTRODE technology for localised surface treatments, enabling precise, efficient and environmentally conscious processes tailored to the most demanding industrial needs.

Initial developments have focused on anodising, one of the most widely used techniques for protecting aluminium against corrosion – especially in applications requiring high environmental resistance and compatibility with paints or structural adhesives. In addition to providing excellent corrosion resistance, the resulting anodic layer offers high hardness, wear resistance, and good adhesion.

The anodising process is typically carried out under controlled immersion conditions, where all electrical, chemical, and thermal parameters are optimised to ensure treatment uniformity on new parts. This requires specialised production lines that include pre-treatment surface preparation steps and, depending on the type of anodising, different post-treatment stages, like colouring and/or sealing.

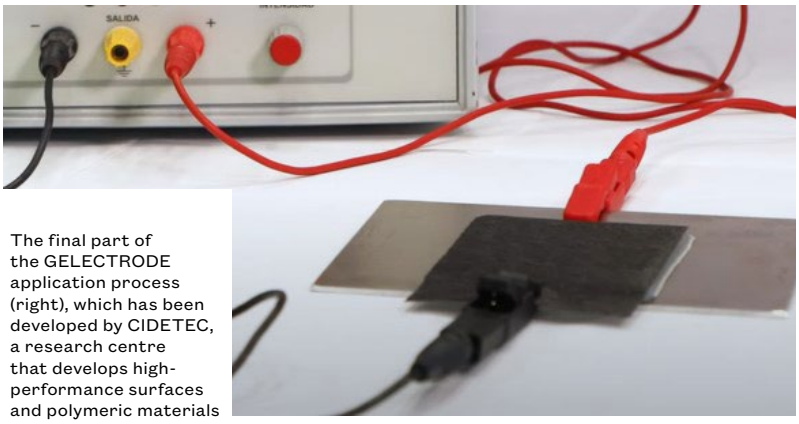
Despite the properties provided by anodising, the anodic layer may become damaged during the service life of components for various reasons. Some of the most common in-service causes include mechanical erosion, localised chemical attack, damage from fatigue, deformation or structural impact, as well as damage caused during maintenance operations. For these reasons, the service life of certain anodised components often requires localised repair of the damaged anodic layer to restore corrosion protection and ensure the functional continuity of the component.

In such local repair situations, the application of conventional anodising presents significant limitations. The main drawback lies in the need to completely immerse the part in an electrolyte bath, which is not feasible for large, assembled, or geometrically complex structures. Moreover, the process requires precise masking to protect unaffected areas during treatment, as well as the transportation and handling of components, all of which increase costs, logistical risks, and downtime. These challenges have driven the development of alternative solutions to enable selective anodising without the need for disassembly and transportation of the parts.

These treatments rely on special equipment that recirculates liquid electrolytes, such as DALIC and SIFCO systems for sulfuric acid-based anodising, or PAC and PANTA systems for phosphoric acid-based anodising. In DALIC and SIFCO systems, an electrode covered with an absorbent or porous material saturated with electrolyte is used, and the electrolyte flows directly over the metal surface while current is applied. These techniques enable relatively controlled localised application but present risks of spills and leaks due to the need for recirculating liquid acid electrolytes. Therefore, they require qualified personnel and careful protection of adjacent areas. Specialised tools are needed, and the process is often slower for larger areas. Additionally, manual application introduces variability in the thickness and uniformity of the anodic layer.

Regarding the PANTA method (paste-gel based electrolyte), the phosphoric acid paste-gel is held in place by a porous structure, typically a fabric saturated with the paste-gel and placed against the surface to be treated. A stainless-steel mesh cathode is placed on the upper layer of the fabric; however, its susceptibility to corrosion limits the storage of the complete device (paste-gel and counter electrode). As for the PAC process, it requires specialised and complex equipment to create a vacuum through which the liquid electrolyte circulates. Although PAC and PANTA technologies offer advantages in terms of safety, ease of application, and absence of leakage, they still face multiple challenges such as adapting to curved geometries (they are not recommended for non-flat or non-horizontal surfaces), controlling the resulting layer thickness, ensuring uniform electrical contact, and electrolyte durability. Both technologies also leave surface residues after the process, requiring thorough cleaning to completely remove acidic compounds.

GELECTRODE technology (currently under patenting, registration no. EP24382756.5) offers easier handling, reduces risks, and provides better adaptability to complex surface geometries. GELECTRODE also provides a strategic, technological, and operational advantage by enabling easy, efficient and safe surface treatments while minimising manufacturing and repair lead times.



The final part of the GELECTRODE application process (right), which has been developed by CIDETEC, a research centre that develops high-performance surfaces and polymeric materials

Understanding corrosion in carbon capture systems

EFC Affiliate Member, Integrated Global Services, explores the corrosion issues inherent in CCS amine systems at sites in the United States and the Middle East

Carbon capture and storage (CCS) plays a vital role in mitigating greenhouse gas emissions and reducing climate change. According to the Global CCS Institute, the worldwide CCS project pipeline experienced a 102% year-on-year increase in the number of facilities as of July 2023, highlighting the rapid acceleration in the adoption of the technology.

However, as with any new technology and processes, CCS brings its own set of challenges. Among these, corrosion in amine systems represents a significant concern for operational efficiency and safety. With this in mind, EFC Affiliate Member, IGS, explore the corrosion issues inherent in CCS amine systems and examine metallurgical solutions to ensure the longevity and reliability of these critical climate solutions.

Understanding corrosion in amine systems

Amine systems involve the use of amines, such as monoethanolamine (MEA), as solvents to absorb CO_2 from flue gases. The amine solutions are highly corrosive, particularly in the presence of oxygen and heat, leading to the degradation of process vessel materials. Corrosion in these systems can result in reduced operational efficiency, increased maintenance costs, and potential safety risks.

Several corrosion mechanisms can occur in CCS amine systems, including General Corrosion, Pitting Corrosion, Stress Corrosion Cracking (SCC), and Corrosion by CO_2 Decomposition like carbamate and bicarbonate.

Upgrading a vessel's metallurgy

To mitigate corrosion in amine system process vessels, upgrading a vessel's metallurgy through high nobility cladding has proven an effective solution. High nobility cladding involves the application of a protective layer of noble metals, such as alloys of chromium, nickel, and molybdenum, onto the vessel's surface. This cladding provides enhanced resistance to corrosion and extends the vessel's service life.

High Velocity Thermal Spray technology

One approach to applying high nobility cladding is through HVTS (High Velocity Thermal Spray) technology. This process involves the on-site application of a high-alloy corrosion-resistant cladding that consists of flat and tightly packed micro-sized metallic particles.

The dense and tightly bonded cladding acts as a protective barrier, helping extend the lifespan of the amine system, reduce maintenance, and enhance overall reliability. Unlike Weld Metal Overlay (WMO), the HVTS process does not generate a Heat Affected Zone (HAZ) or place residual stresses on the base metal as the temperature of the base metal remains relatively low. And, HVTS can be refurbished or replaced in situ without replacing the underlying component. This contrasts with 625 weld-overlaid components, which must be replaced at the end of life.

Direct air capture facility project

A multinational investment company and an American energy corporation collaborated on constructing a direct air capture facility in Texas, United States. Their primary objective was to capture carbon directly from the atmosphere and sell carbon credits to major corporations, including Amazon, Google, and United Airlines.

The project faced metallurgical challenges in the process vessels that threatened to delay construction, with over 100 workers on-site unable to proceed, and each day of delay costing over $500k. The HVTS cladding solution was implemented to prevent in-service metal wastage of the vessel's substrate. The application was completed during two mobilizations in late December 2023 and January 2024, allowing the project to remain on schedule and averting a significant daily loss.

Middle East refinery main amine column

A Middle East refinery addressed CO_2 corrosion challenges in its main amine column. The problem involved metal wastage caused by CO_2 corrosion, which could lead to a breach of the column's integrity and potential emergency shutdown.

Previous attempts using organic coatings and conventional thermal metal spray had failed in this aggressive operating environment. With a planned turnaround every four years, the refinery implemented a more robust HVTS metallurgical solution to freeze further metal degradation. The application covering trays 30-33 initially, and later extending to trays 16-23 in 2023, totalled more than 240m² (2,584ft²) of protected area. The project secured the main column from further corrosion attack in the protected areas.

Appropriate corrosion prevention

Preventing corrosion in amine system process vessels is crucial for the sustainable operation of carbon capture and storage facilities. Upgrading vessel metallurgy through high nobility cladding offers an effective solution to mitigate corrosion, extend equipment service life, and ensure operational reliability. By implementing appropriate corrosion prevention measures, CCS operators can ease the adverse effects of amine corrosion, reduce maintenance costs, and contribute to the long-term viability of carbon capture technologies.

Plenary speakers revealed for ACA's flagship conference

Hosted by EFC Member Society ACA, C&P 2025 will have a focus on Materials Protection for the Future in Melbourne, Australia from 9th to 13th November 2025

The Australasian Corrosion Association's Corrosion & Prevention 2025 will be spread across five days for industry field practitioners who combat corrosion on a daily basis and researchers working in corrosion-related fields

Details of the plenary speakers at Australasia's leading corrosion mitigation event, Corrosion & Prevention 2025 in Melbourne, Australia from 9 to 13 November have been announced by The Australasian Corrosion Association Inc. (ACA).

Kod Pojtanabuntoeng (Professor Curtin Corrosion Centre), Peter Dove (Technical Director – Materials Technology GHD), Michelle Lau (Managing Director Mach3 Engineering), Roman Dankiw (Principal Asset Inspection Consultant), Steven Reinstadtler (Business Development Manager Covestro), and one as yet unannounced expert who will speak at the conference organised by the EFC Member Society.

This year's conference will focus on innovative solutions for global corrosion challenges and highlight international collaborations driving sustainability and technological advancement across industries.

Corrosion & Prevention 2025 will feature a full programme of peer-reviewed papers and case studies, technical forums, research symposium, networking, and more. The conference is designed for industry field practitioners who combat corrosion on a daily basis and researchers working in corrosion-related fields to share and exchange ideas.

The peer-reviewed papers, technical forums, and case studies, will cover topics such as asset management, cathodic protection, coatings, and the latest advancements in corrosion technology.

With corrosion being a universal concern, C&P 2025 welcomes contributions from researchers, asset owners, and industry professionals from across the world. The conference will provide a platform to present research findings, showcase case studies, and engage in discussions on challenges and solutions relevant to industries worldwide.

Conference highlights

→ **Main Conference:** 9th to 13th November 2025
→ **Location:** Marvel Stadium, Melbourne, Australia
→ **Applicator Day:** A range of live demonstrations and hands-on workshops
→ **Theme:** Innovating corrosion solutions for a sustainable future
→ **Papers Topics:** Asset management, cathodic protection, coatings, and the latest advancements in corrosion technology.

Global collaboration

C&P 2025 offers the opportunity for industry leaders, researchers, and policymakers to:
→ Exchange knowledge with international experts
→ Build partnerships to address global corrosion challenges
→ Explore opportunities for collaborative research and innovation

Visit corrosion.com.au for registration details and for further information.

IOM3 to host two-day M3P3 conference in Birmingham

The Institute of Materials, Minerals & Mining will host Materials, Minerals & Mining for People, Places, Planet (M3P3) in England's second city in November

Join the Institute of Materials, Minerals & Mining (IOM3) in Birmingham this November for two days of cross-discipline insight, technical sessions, and professional development.

M3P3 takes place from 11 to 12 November and will bring together the full breadth of the materials, minerals, and mining sectors. With plenaries, technical sessions, poster displays and Knowledge Exchange Sessions, it's a chance to connect, learn and take new ideas back to your work. Designed for CPD and open to all career stages.

A group offer for July and August means that booking with friends or colleagues gets 20% off for groups of three or more. To claim, email events@iom3.org when booking (all bookings must be made together). Seats are limited, so booking is advised. Visit iom3.org for more information, and find out how to get involved with M3P3 at iom3.info/m3p3.

IOM3 Member Joins the EFC Board

Pat Liddicott CEng FIMMM, a member of the Corrosion Subgroup (of IOM3) has been appointed to the EFC Board. The appointment highlights the growing contribution of the IOM3 corrosion community to the EFC and underlines the Institute's continued commitment to international collaboration. Pat leads the Materials Science and Non-Destructive Evaluation Centre of Expertise at Sellafield Ltd. With over four decades of experience as a metallurgist, she specialises in materials selection, corrosion, integrity assessment for life extension, and innovative NDT technologies. Pat represents the Nuclear Decommissioning Authority and Sellafield Ltd on the Management Board of the UK Research Centre for Non-Destructive Evaluation (RCNDE) and is a member of the UK Forum for Engineering Structural Integrity (FESI) Council.

The IOM3 Corrosion Subgroup, led by Tony Horner of Rolls-Royce, is a team of academic and industry professionals dedicated to advancing the science and engineering of corrosion control. Several members of the subgroup are active within the EFC: Gareth Hinds CEng FIMMM (NPL), EFC President, Shiladitya Paul CEng FIMMM (TWI and University of Leicester), the Vice-Chair of EFC Working Party 9 (Marine Corrosion), and now, Pat Liddicott. Through these engagements, the IOM3 Corrosion Subgroup continues to support corrosion science and engineering in the UK, Europe, and internationally.

New date announced for PSK organised PractiCORR 2025

Organised by the Polish Corrosion Society (PSK) and the EFC, the first PractiCORR International Conference will take place from 25 to 27 November in Warsaw

The first PractiCORR International Conference in Warsaw, Poland is set to offer a vibrant platform for collaboration, innovation, and inspiration in corrosion and fire protection. The conference at the Hotel Mercure Warszawa Centrum from 25 to 27 November will explore conscious design and long-term structural protection, and tackle ecological challenges, focusing on sustainable technologies like solvent-free coatings. It will address extreme environment challenges in the petrochemical industry, investigate new frontiers of applications wind farms as well as bridge science and other industries. Leading manufacturers from Europe and USA like PPG, Sherwin-Williams, Graco but also from Saudi Arabia like AmpleSolutions, SigmaPaints will be present.

Why Attend PractiCORR 2025?

Created by practitioners for practitioners, PractiCORR 2025 will be dedicated to corrosion prevention and protection. Bringing together industry professionals from various corrosion sectors to provide practical knowledge exchange through technical sessions, discussions, and case studies, PractiCORR 2025 will offer an array of networking opportunities with global experts in corrosion and fire safety engineering. There will also be a variety of presentations in Warsaw on the latest technology, as well as opportunities to collaborate with scientists and industry leaders in workshops, panel discussions, and business-science speed dating. Students and young professionals looking for career opportunities and hands-on experience are welcome, as well as sponsors and exhibitors to showcase products and services and build the image of a pioneer and leader in the industry.

Presentation and poster awards

The best oral presentation and the best poster will be awarded €800 and €500 respectively at PractiCORR. Rules can be found on the PractiCORR website.

Scheduled Sessions

There will be eight sessions presented, including: Surface preparation, Coatings (organic, inorganic, metal, powder, fire protection coatings, protective coatings in military applications), Corrosion problems in practice, Anti-corrosion equipment, Inspector's session, Business & Science + Speed-Dating Infrastructure (urban, road and railway, energy sector, offshore structures), and Corrosion in various industries (oil & gas, automotive, petrochemical). Visit the website for registration details. Email: sekretarz@psk.org.pl

Participation

You can still submit a paper or poster (submission of abstracts by 10 October 2025) become an exhibitor, or become a sponsor. We warmly invite you to participate in the conference. Details are available at practicorr.org.

First details of new CEFSES symposium announced

Titled, Corrosion Engineering for Sustainable Energy Solutions, the two-day CEFSES symposium will be organised under the EFC/WCO flag

The intention of the proposed CEFSES symposium is to focus on interaction and actions to address the main material challenges in the energy transition

The main corrosion challenges in the energy transition are encountered when scaling up new energy technologies from lab scale to an industrial scale and during the subsequent worldwide roll-out. Where corrosion scientist hand over to corrosion engineers, while field experience is still missing.

Following two earlier successful national events, the EFC is set to co-organise a two-day European symposium. During the symposium from the EFC and World Corrosion Organization, corrosion knowledge and experience in renewable energies will be exchanged. In interactive sessions, knowledge gaps will be identified and future needs defined. All with an application focus, addressing both technical and non-technical aspects.

Organised by Dr ir Marc Wilms (Shell), Dr ir Axel Homborg (Netherlands Defence Academy), and Dr Hans Rietveld (One Designstudio bv), the focus will be on engineering, standardisation, and knowledge exchange between industries. The first day with more generic presentations, while the second day can include more specialistic presentations and workshops.

The intention of CEFSES is to focus on interaction and actions to address the main material challenges in the energy transition. The technical presentation will be generic in nature and application-focused, ensuring attractiveness also for a non-specialist audience. The focus will be more on corrosion engineering than science. The symposium will be held in Brussels to facilitate participation of policy makers.

White paper

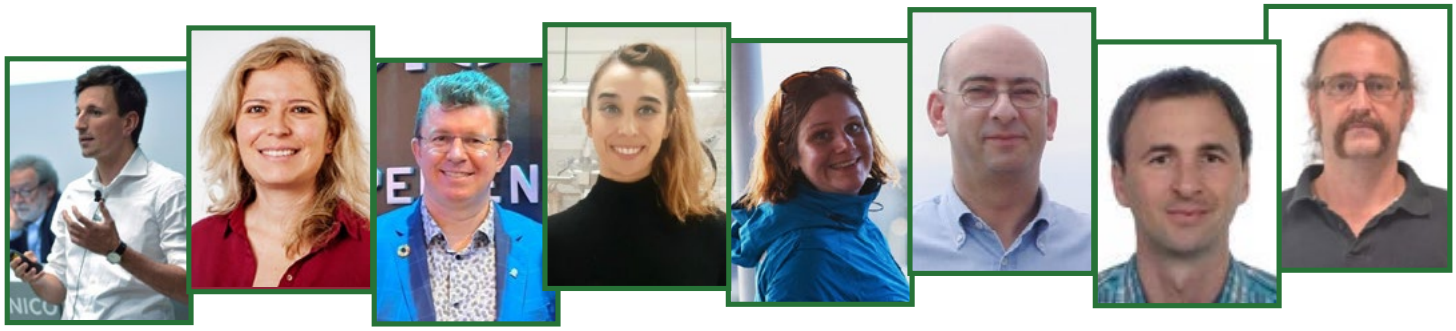
In addition, the CEFSES team work on a white paper addressing the renewable energy works that are currently or will soon be rolled out on an industrial scale. It is proposed to approach the leads of these technology areas in EFC to contribute as (co-)author, while key players in corrosion engineering and to include experts with an industry focus. Although the main content will be the current status of technology and related knowledge gaps, policy related aspects will be addressed too.

Symposium objective

The symposium aims to create better awareness of the corrosion challenges related to the energy transition, bring knowledge developed in the academia fast to the engineering workfloor, and trigger effective knowledge transfer to different industrial sectors.

Eight members elected to the EFC Board of Administrators

The eight members will take their place on the EFC Board of Administrators in January and will serve a three year term on behalf of the Federation



During the General Assembly Meeting on Wednesday 18 June 2025, eight EFC members were elected to serve on the Board of Administrators (BoA) for the period from 1 January 2026 until 31 December 2028. The members selected are:

→ **Prof. Michele FEDEL** - AIM (Italy)
→ **Assoc. Prof. Yaiza GONZALEZ-GARCIA** - ION/BvM (Netherlands)
→ **Dr. Torben LUND SKOVHUS** - TV (Denmark)
→ **Dr. Marta MOHEDANO SÁNCHEZ** - SOCIEMAT (Spain)
→ **Dr. Noémie OTT** - SGO-SST (Switzerland)
→ **Assoc. Prof. João C. SALVADOR SANTOS FERNANDES** - SPM (Portugal)
→ **Dr. Ivan STOJANOVIC** - HDZAMA (Croatia)
→ **Assoc. Prof. Jan STOULIL** - AKI (Czech Republic)

In addition, the following BoA Members were ratified for the period from 1 January 2026 until 31 December 2028:

→ **Dr. Andreas FÖRSTER** (Founder Member Country - Germany)

→ **Ms. Patricia LIDDICOTT** (Founder Member Country - UK)
→ **Prof. Philippe MARCUS** (Founder Member Country - France)
→ **Prof. Herman TERRYN** (Country of Registration - Belgium)

The BoA also includes :

→ **Dr. Gareth HINDS** – EFC President
→ **Dr. Patrick KEIL** – EFC Vice President
→ **Dr. Tomáš PROŠEK** – EFC Immediate Past President

EFC administration update

President: Gareth Hinds, Teddington, Middlesex, UK
Vice-President: Patrick Keil, Münster, Germany
Chief Operating Officer: Pascal Collet, Senlis, France
Science and Technology Advisory Committee (STAC)
Chair: Stefan Ritter, Villigen, Switzerland
Scientific Secretary: Roman Bender, Frankfurt/Main, Germany
Frankfurt Office: Andreas Förster / Ines Honndorf
Paris Office: Philippe Marcus / Mariana Berthet
London Office / Honorary Treasurer: Colin Church / Gareth Hinds / Julija Bugajeva
EFC Newsletter Editor: Dan Mobbs, London, UK

LEGAL NOTICE

European Federation of Corrosion (EFC)
AISBL, Avenue des Arts 56/4C, 1000 Bruxelles, Belgium
Association No: 0425.591.656
VAT No: BE 0425.591.656

E-Mail: offices@efcweb.org.
Website: efcweb.org

CONTACT

Editor: Dan Mobbs editor@efcweb.org
E-Mail: offices@efcweb.org
Website: efcweb.org

EFC
EUROPEAN FEDERATION OF CORROSION

Stay up to date with EFC events 2025-2027

Make a date in your corrosion calendar for all the latest EFC events and conferences in Europe and around the world

Wikimedia Commons

EUROCORR 2025

Stavanger, Norway, 7-11 September 2025

EFC Event No. 501

Organised by the European Federation of Corrosion

Scope: The annual EUROCORR conference in 2025 will be hosted by the Norwegian Corrosion Society (NKF) in the Stavanger Forum, in Stavanger, Norway.

Website: eurocorr2025.org

Tribocorrosion 2025

Vienna, Austria, 21-23 October 2025

EFC Event No. 521

Organised by the Austrian EFC Member Society ASMET; initiative proposed by EFC Working Party 18 on Tribo-Corrosion

Scope: International conference on the topic of tribocorrosion. Tribocorrosion 2025 is aimed to bring together scientists and engineers working in academia or in industry interested in getting better understanding and control of the mechanical and chemical interactions governing friction, wear and lubrication in contacts operating in extreme environments (i.e. marine, presence of hydrogen, CO, new fuels or green lubricants). Prior to the conference, a specialisation course will be offered targeting postgraduate students. Visit the website to view the full programme.

Website: asmet.org/tribocorrosion2025/

9th International Workshop on Long-term Prediction of Corrosion Damage in Nuclear Waste Systems (LTC 2025)

Sendai, Tohoku Region, Japan, 4-6 November 2025

EFC Event No. 501

Japan Society of Corrosion Engineering (JSCE), Nuclear Waste Management Organization of Japan (NUMO) and EFC WP4 on Nuclear Corrosion

Scope: Overview on national disposal programmes with emphasis on similarities, common challenges and different approaches, regulatory issues, retrievability, etc. Development of and long-term performance assessment of high-level waste disposal containers. Experimentation with candidate materials, including laboratory tests, full-scale demonstration, in-situ testing, methodology, modelling, monitoring and design.

Website: ltc2025.com

FUTURE SURFACES 2025

Edegem, Belgium, 19 -20 November 2025

EFC Event No. 533

Benelux event for Surface Finishing organised by the Belgian EFC Member Societies VOM and Vereniging ION

Scope: FUTURE SURFACES is the Benelux event par excellence to share knowledge and expertise on the challenges companies face to prepare for 2030 and the targets imposed by Europe under the Green Deal. In addition to the latest developments in materials and surface treatment, the event will also focus on

regulations and guidelines that entrepreneurs need to comply with. The Associations VOM and Vereniging ION present a varied programme to delve into current topics and challenges. FUTURE SURFACES 2025 is an informal event built around five themes where knowledge sharing, inspiring demos, and plenty of networking opportunities take centre stage.
Website: futuresurfaces.vom.be

PractiCORR

Warsaw, Poland, 25-27 November 2025
EFC Event No. 523
Jointly organised by the Polish Corrosion Society (PSK) and EFC
See page 27 for more information.
Website: practicorr.org

19th Nordic Corrosion Congress

Stockholm, Sweden, 14-16 April 2026
EFC Event No. 531
Co-organised by RISE Research Institutes of Sweden with Swerim and KTH. RISE is an EFC Member Society
Scope: Latest developments in corrosion research, industrial applications and technological areas. Topics include fundamental and applied corrosion research, innovative testing methodologies, material design, and corrosion prevention stra6tegies. The call for papers is open. Deadline: 20 December 2025. See back page for more information.
Website: swerim.se/en/19th-nordic-corrosion-congress

4th Conference and Expo 2026 - Connecting experts, driving innovation in corrosion management

Genoa, Italy, 9-12 June 2026
EFC Event No. 534
Organised by the AMPP Italy Chapter, supported by the Italian EFC Member Societies AIM and APCE
Scope: The Conference aims to collect specialists from Europe and worldwide to discuss topics concerned with fundamental, engineering and applied aspects in the field of corrosion prevention, while the Expo will present materials, equipment and services addressing corrosion prevention systems.
Website: amppitaly.org/it

EUROCORR 2026

Dublin, Ireland, 6-10 September 2026
EFC Event No. 510
See page 16 for more information.

8èmes Journées Protection Cathodique et Revêtements Associés

Aix-en-Provence, France, 29 September – 1 October 2026
EFC Event No. 536
Organised by CEFRACOR, Member Society of EFC
Scope: Cathodic protection : General (criteria, limitations, design and modelling, associated coatings), Applications sectors (on-land structures, marine structures, reinforced concrete structures, internal surfaces of equipment). See page 19 for more information.
Website: cefracor.org

SAVE THE DATE

Fifth International Conference on Corrosion Protection and Application, ICCPA

Chengdu, China, July 2026
Organised by Chongqing Association for Science and Technology, the EFC, and the Chinese Society for Corrosion and Protection (CSCP)
Scope: The last edition in Chongqing in May 2024 brought together more than 500 attendees mainly from China and Europe. Following its success, the organising team has announced the next edition will take place in Chengdu, China. The conference will provide a platform for researchers engaged in corrosion protection and application fields worldwide to showcase their talents for communication and cooperation among universities, research institutes, and companies, promoting domestic and international exchanges. Further details of the conference will be published in the next EFC Newsletter.

Global Corrosion Congress: Joint EUROCORR & ICC 2027

Prague, Czech Republic, 12-16 September 2027
EFC Event
The call for papers will open in October 2026.
Website: eurocorr-icc2027.org

EFC APPROVED COURSES 2025

Milano, Italy, 22-23 September 2025
ADDETTO alla Protezione Catodica di strutture metalliche interrate e immerse

Online, 24 September
Introduction to Corrosion and its Prevention

Milano, Italy, 6-10 October 2025
TECNICO addetto alla Protezione Catodica di strutture metalliche interrate e immerse

Lyon, France, 4-6 November 2025
Traitement des eaux industrielles: générateurs de vapeur et circuits de refroidissement – Approfondissement (Niveau 2)

For full details of these and a complete listing of many other future corrosion events in Europe and throughout the world, visit the EFC Calendar of Events at efcweb.org/events.html

19th NORDIC CORROSION CONGRESS

14–16th April 2026 Stockholm, Sweden

Since 1954, the Nordic Corrosion Congress has brought together researchers from all Nordic countries to connect, share ideas, and present the latest advancements in the field of corrosion. Following the sucessful 18th NCC meeting in Turku Finland in 2022, we are excited to host the 19th NCC in Stockholm, Sweden. The congress is organized jointly by Jernkontoret, KTH Royal Institute of Technology, RISE and Swerim.

Over the course of three days, the 19th NCC will explore the latest developments in corrosion research, covering a wide range of industrial applications and technological areas. The event will kick off with a visit to KTH Reactor Hall on the first evening followed by two days of scientific presentations. Topics will include fundamental and applied corrosion research, innovative testing methodologies, material design, and corrosion prevention strategies, among many others.

CONGRESS TOPICS

- Corrosion Mechanisms, Methods, and Modelling
- Environment Sensitive Fracture
- Techniques for Monitoring and Testing
- Advanced Analysis Techniques for Corrosion Investigations
- Marine Corrosion
- Corrosion of Steel in Concrete
- Atmospheric Corrosion
- Water and Building Installations
- Corrosion in the Energy Sector
- Durable Materials for Harsh Environments
- Corrosion and Reliability of Electronics and Micromechanics
- Automotive Corrosion
- Biomedical Applications
- Microbially Influenced Corrosion
- Tribocorrosion
- Protective Coatings, Polymers and Advanced Materials
- Additive Manufactured Metals and Corrosion
- Environmental and Health Impacts of Corrosion

First announcement and call for papers

Abstract submission
Deadline 20th Dec 2025.
Max. 300 words . Calibri font 10 size 10.

Notification of acceptance
31st January 2026

Early bird registration
Deadline 7th Feb 2026
Student SEK 3,350, Regular SEK 5,600,
EFC members SEK 5,000

Registration
Deadline 14th March 2026
Student SEK 4,500, Regular SEK 7,200,
EFC members SEK 6,700

Congress venue RISE/Swerim
Isafjordsgatan 28A,
Kista, Stockholm, Sweden

E-mail
NCC2026@swerim.se

Organizing Commitee
Rachel Pettersson, Jernkontoret,
Andrew Gordon, RISE, Inger Odnevall, KTH
Olivier Rod, Swerim.

Follow QR-code for further information

Jernkontoret SWERIM KTH VETENSKAP OCH KONST RI. SE