

DAN MOBBS EFC Newsletter Editor

The Newsletter has welcomed some exciting changes over the past year

- Adverts have added to the Newsletter's professional look
- Links make the digital edition interactive
- The evolution of the Newsletter has continued with a focus on design and interviews
- New elements planned for 2025



1

Reflecting on the success of EUROCORR in the last edition involved incorporating a lot of photos in the Newsletter

- The volume of photos was very welcome and gives the Newsletter personality
- It also allowed for a different design approach to help differentiate the photo sets, which continues the evolution of the Newsletter's visual identity



2

Interviews with EFC members form an important element of the Newsletter



Corrosion science's bright future and what that means for the EFC
EFC President Stefano Tomáš discusses the EFC Approved Courses, global corrosion challenges, and the contribution of member societies like IOM3

Stefano Tomáš, what are the main activities that the European Federation of Corrosion is engaged in?
The EFC is a federation of member societies (MS) active in corrosion protection in Europe and elsewhere. Our goal is to increase corrosion losses by fostering collaboration between MSs and their members.
The key networking event of the EFC is the annual EUROCORR conference, which brings together around 1,500 corrosionists from academia and industry not only from Europe, but also from the USA, China, Japan, South Korea, the Middle East, Australia, and other regions. We do our best to make EUROCORR as attractive as possible, doing this full time in scientific and technical discussions, business exchange, and social gatherings.
The success of EUROCORR would be impossible without the hard work of volunteers leading the EFC Working Party (WP). There are currently 24 WPs dealing with all facets of corrosion science and engineering. Many important aspects and application areas of corrosion. Many important aspects and application areas of corrosion. Many important aspects and application areas of corrosion.

Several studies have shown that between 1/4 to 1/3 of corrosion losses can be avoided if only the already available knowledge is correctly applied. The fact that corrosion experts are often consulted only after a problem has appeared is well known to anybody involved within corrosion protection

Can you describe the skills and knowledge one training can help overcome that?
There are two aspects of this problem. First, we need to address the lack of awareness of the importance of corrosion science and corrosion protection in fields that are not traditionally considered 'corrosion experts'. We should be the main 'customers' of corrosion experts, not just the 'users' of their services. We need to build a strong relationship between corrosion science and other disciplines, such as materials science, mechanical engineering, and health sciences. Second, we need to ensure that corrosion experts have the right skills and knowledge to address the challenges of the future. This includes a deep understanding of corrosion science, a strong background in materials science, and a good knowledge of the relevant standards and regulations.

How do you foresee corrosion science developing in the near future, and do you recognize any potential opportunities and challenges?
Corrosion science and protection fields have a bright future. The paradigm is clearly shifting towards a more holistic approach, where corrosion is not just a material issue, but a system issue. It is more and more important to consider the entire life cycle of a product and its environment, including its recyclability and its impact on the environment. This requires a multidisciplinary approach, where corrosion science is integrated with materials science, mechanical engineering, and health sciences. This is a great opportunity for the EFC, as it allows us to bring together experts from different disciplines and work on common challenges.

And finally, tell us about the EFC Approved Course Label, why it was set up, and how it can benefit member societies?
The EFC Approved Course Label was set up to ensure that the courses offered by member societies are of high quality and meet the needs of the industry. It is a mark of excellence that recognizes the commitment of member societies to providing high-quality training to their members. The label is awarded to courses that have been evaluated by the EFC and found to meet the required standards. This is a great benefit for member societies, as it allows them to showcase their commitment to high-quality training and attract more students to their courses.

3

The introduction of adverts last year has continued the professional appearance of the Newsletter

- Adverts add an exciting commercial focus to the Newsletter
- For the digital edition, all adverts include clickable links to provide full interactivity
- I produce LinkedIn teasers for the adverts to help provide additional promotion



BioLogic
ULTRA LOW CURRENT
for Coating & Electric Characterization

Applications

- High impedance coatings
- Polymers and dielectrics
- Capacitive sensors
- Solid electrolytes

Compatibility

- Premium Instruments
- Systems
- ARG
- 0° to 80° C

ULC-2 Cable
Ultra Low Current
Down to 100 fA
Up to 3 MHz

Achieve exceptional accuracy down to 100 fA with our new ULC-2 cable, designed for precision electrochemical characterization.

Available for each channel of your Premium Potentiostat, this versatile system delivers unprecedented measurement capabilities with impedance analysis up to 3 MHz. While advanced EIS (Nyquist) functionality (including NSD for assessing non-stationarity) ensures reliable data for your most demanding experiments.

From sensitive electrochemical experiments to complex impedance studies, the ULC-2 cable delivers the uncompromising accuracy and dependability your research requires.

biologic.net

Shaping the future. Together.

4



5



6

Stay up to date with EFC events 2024-2027
Make a date in your corrosion calendar for all the latest EFC events and conferences from around the world

EFC Approved Courses
Attributed to courses from Member Societies, the EFC Approved Courses support the training of corrosion professionals across Europe.

EFC APPROVED COURSES 2025
Online, 25 February 2025
Course: Introduction to Corrosion & its Prevention, focusing on the fundamentals of corrosion and how it can be prevented.
Click here for a full overview of all the current EFC Approved Courses.
Click here for further course information and the complete listings future corrosion events held across Europe and world. The purpose of EFC Approved Courses is to help...

LEGAL NOTICE
European Federation of Corrosion (EFC)
President: Prof. Tonislav Probst
ASBL, Avenue des Arts 56/AC, 1050 Brussels, Belgium
Association No.: 0423.591.656
VAT No.: BE 0425.591.656
E-Mail: info@efcweb.org
Website: efcweb.org
You will find our data privacy policy on our website.

TRAINING LECTURES ON ADVANCED CORROSION ANALYSES
EFC Event No. S24
Organized by VUB, member of ICDM EFC member society, Belgium, with Mrs De Graeve and Benoit Beaulieu as Chairs of the EFC Task Force on Corrosion and Corrosion Protection of Additive Manufactured Metals.
Scope: This one-day training is organized in the frame of the Doctoral Network DurMat on additive manufacturing of metals, in and with support of the EFC Task Force on Corrosion and Corrosion Protection of Additive Manufactured Metals. It is a hybrid event where all interested PhD, postdoctoral researchers and young professionals from industry are welcome to the online lecture. In the programme, there are lectures on the fundamentals of metal surface analyses and corrosion, and specific analyses and spectroscopy. Click here to visit the website, visit LinkedIn, or contact corrosion@durmat.be.

PractiCORR 2025
Warsaw, Poland, 10-11 June 2025
The international conference on practical aspects of corrosion protection and coating solutions is organized by the Polish Corrosion Society PSC.
Topics: Surface preparation Organic and inorganic coatings, corrosion protection in urban, road and water infrastructure, Anti-corrosion protection in the energy sector, Anti-corrosion protection in the petrochemical industry, Anti-corrosion protection for offshore structures, Anti-corrosion protection in the automotive industry, Inspection Standards, regulations.

INTENSIVE COURSE ON CORROSION AND SCALE INHIBITION
Hamburg, Germany, 18-20 February 2025
EFC Event No. S19

- Thank you for all your contributions to the Newsletter
- I welcome feedback so please get in touch by sending a mail to editor@efcweb.org
- I look forward to potentially working with you on the next edition
- All the best, Dan Mobbs