



BOARD OF ADMINISTRATORS

Virtual Meeting

Tuesday 15 March 2022

WORKING PAPERS

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WORKING PAPERS

Virtual Meeting of the Board of Administrators
of the
European Federation of Corrosion
15 March 2022

Venue of meeting: **Virtual online Meeting**

Date and time of meeting: **Tuesday 15 March 2022 - 14:00**

Chairman: **Dr. Jörg VOGELSANG - *EFC President***

Secretary: **Mrs. Pascale Bridou Buffet - *Paris Office***

**EUROPEAN FEDERATION OF CORROSION
VIRTUAL ONLINE MEETING OF THE BOARD OF ADMINISTRATORS
15 MARCH 2022 - 14:00**

PROPOSED AGENDA

- Item 1 Opening of the Meeting (JV)
- Item 2 Apologies for Absence (PBB)
- Item 3 Approval of the Agenda and Adoption of the Minutes of the last Meeting (JV)
- Item 4 EUROCORN Series: 2021, 2022, 2023 and 2025
 - 4-1 Virtual EUROCORN 2021 - Final Report on Results (BM)
 - 4-2 EUROCORN 2022, Berlin (Germany) - Progress with Arrangements (RB, RF)
 - 4-3 EUROCORN 2023, Brussels (Belgium) - Report on Preliminary Arrangements (MO)
 - 4-4 Status on the Call for Bid for EUROCORN 2025 (FO, JV)
- Item 5 Administrative Matters
 - 5-1 Presidency and Vice-Presidency (JV)
 - 5-2 Applications for EFC Membership (FO)
 - 5-3 Evolution of EFC and EUROCORN in the coming years (JV)
 - 5-4 Belgian Matters (FO, MO, PhM)
 - 5-5 Status on "Diversity and Inclusion Policy" (GH, MM, AM)
 - 5-6 Guideline for EFC support to WPs
 - 5-7 EFC Awards for 2022 (WF, JV)
- Item 6 EFC Activities
 - 6-1 Report of the Scientific Secretary (RB)
 - 6-2 Report on Activities of Young EFC (MM)
 - 6-3 EFC Publications
 - 6-3.1 EFC Book Series (WF, RB)
 - 6-3.2 EFC Newsletter (HI)
 - 6-3.3 Progress with Items/Articles for the Publication in the five EFC Journals (RB)
- Item 7 Financial issues (JB)
 - 7-1 Draft Accounts for 2021
 - 7-2 Current Subscriptions Position
 - 7-3 Budget for 2022
 - 7-4 Adoption of Financial Report
- Item 8 International activities
 - 8-1 International Award: Corrosion Awareness Honour (DF)
 - 8-2 AMPP International: Progress of the Task Force on EFC Strategy (GH)
 - 8-3 Activities in Qatar (JV)
 - 8-4 Activities in China (TP)
 - 8-5 WCO (World Corrosion Organisation) (DF)
- Item 9 Any other Business (JV)
- Item 10 Date and Place of next BoA (JV)

WORKING PAPERS OF THE VIRTUAL MEETING OF THE EFC BOARD OF ADMINISTRATORS (BoA)

Item 1 Opening of the Meeting

Dr. Jörg Vogelsang, President of the EFC and Chairman of the meeting, will welcome the delegates.

Item 2 Apologies for Absence

Mrs. Pascale Bridou Buffet, Paris Office, will announce apologies received for absence.

Item 3 Approval of the Agenda and Adoption of the Minutes of the last Meeting

3-1 BoA members will be asked to approve the proposed agenda or to raise any issues not covered in the present agenda.

3-2 BoA members will be asked to approve the minutes of the Virtual online Meeting that took place on 4 November 2021.

Item 4 EUROCORR Series: 2021, 2022, 2023 and 2025

4-1 *Virtual EUROCORR 2021 - Final Report on Results (BM)*

The virtual **EUROCORR 2021** took place from **20 to 24 of September 2021**.

Dr. Bálint Medgyes will report on the results of the Virtual **EUROCORR 2021**.

Appendix 1 provides the EUROCORR 2021 Report Form 2.

4-2 *EUROCORR 2022 - Berlin (Germany) - Progress with Arrangements*

EUROCORR 2022 will be held in **Berlin**, at Hotel Berlin Central District in the heart of Berlin, on **28 August to 1 September 2022**. The general theme will be "**Corrosion in a changing world - Energy, Mobility, Digitalization**".

Dr. Roman Bender will report on Progress with arrangements for EUROCORR 2022.

4-3 *EUROCORR 2023 - Brussels (Belgium) - Report on Preliminary Arrangements (MO)*

EUROCORR 2023 will be held in Brussels, Belgium, at SQUARE (Brussels Meeting Centre) from **27 to-31 August 2023**.

Prof. Marjorie Olivier will report on preliminary Arrangements for EUROCORR 2023.

4-4 *Status on the Call for Bid for EUROCORR 2025 (FO, JV)*

Last year, the President's Advisory Committee and the Board of Administrators intensively discussed the future strategy for EFC and the evolution of EUROCORR.

Based on the outcome of the discussions, the EUROCORR Task Force drafted an updated version of the EUROCORR Manual to be applied to the bidding process for EURCORR 2025.

Appendix 2 provides the EUROCORR Manual which was circulated to the EFC Member Societies together with the call for bids for EUROCORR 2025.

Item 5 Administrative Matters

5-1 *Presidency and Vice-Presidency (JV)*

As defined in Article 15 of the EFC Statutes, the terms of office of the EFC President is for a period of two years with the possibility of chairing two successive GA meetings and the right to re-election for one further term of office of one or two years.

The term of office of the current EFC President, Dr. Jörg Vogelsang, will end this year and the current Vice-President, Dr. Tomáš Prošek, subject to the approval of the BoA, would be proposed to the next GA planned in June 2022 for election to succeed as EFC President from 1st January 2023.

Therefore, it is necessary to identify a new Vice-President for appointment by the GA to take up office from 2023.

During the President Advisory Committee (PAC) Meeting which took place on 8 February 2022, the election of the new incoming Vice-President of EFC was discussed.

The PAC unanimously approved the nomination of Dr. Gareth Hinds to be proposed to the next GA planned in June 2022 for election for the period 2023-2024.

Appendix 3 provides the CV of Dr. Gareth Hinds.

Subject to the approval of the BoA, Dr. Gareth Hinds would be proposed to the GA for election to succeed as EFC Vice-President from 1st January 2023.

5-2 *Applications for EFC Membership (FO)*

The BoA Members will be reminded on the e-mail voting processes, led by the Frankfurt Office, which approved the following New Affiliate EFC Members as follows:

- C-Cube international bv, Delft, The Netherlands, see **Appendix 4**.
- Ekinoks Kimya, Istanbul, Turkey, see **Appendix 5**
- AkzoNobel, Gateshead, UK, see **Appendix 6**

The Frankfurt Office will report on new application(s) to join the EFC and/or resignation(s), if any..

5-3 *Evolution of EFC and EUROCORR in the coming years (JV)*

During the extraordinary Virtual online BoA Meeting that took place on 4 November 2021, the opinions expressed during the discussions showed that the BoA Members are in favour of an evolution of the EFC and organisation of EUROCORRs.

The decision to professionalize the EFC by hiring an employee was also unanimously approved.

The BoA approved the creation of a Task Force (TF) in charge of the elaboration of a clear proposal for the evolution of EFC including the missions and the salary of an employee.

This TF is composed with Prof. Andreas Förster, Dr. Gareth Hinds, Dr. Patrick Keil, Prof. Agneska Królikowska, Prof. Philippe Marcus, Dr. Jörg Vogelsang and lead by Dr. Tomáš Prošek.

The EFC President, Dr. Jörg Vogelsang will report on preliminary progress of this TF.

5-4 Belgian Matters (FO, MO, PhM)

The tasks and deadlines of Belgian Matters to follow the Belgian law are reminded in **Appendix 7** provided by Prof. Marjorie Olivier.

Prof. Marjorie Olivier will inform the BoA Members on progress regarding the publication in the “Moniteur Belge” of the change of the Frankfurt Office representative, Dr. Andreas Förster as BoA Member, replacing Prof. Willi Meier.

During the extraordinary Virtual online BoA Meeting that took place on 4 November 2021, it was agreed that CEFACOR would take over the tasks related to "Belgian matters" that the former Managing Officer, Dr. Hélène Illaire, used to take care of.

The CEFACOR representative now in charge of Belgian Matters is Ms. Mariana Berthet.

Appendix 8 presents the tasks CEFACOR will now taking care of.

During this extraordinary Virtual online BoA Meeting, it was also agreed that this will be an additional task for the Paris Office and that this work will be charged (on a yearly basis) to the EFC.

At the January 2022 PAC Meeting, it was suggested to start with the indication of the time spent for the Belgian matters in 2020 by Dr. Hélène Illaire before she leaves the EFC and estimated to 10 days (i.e. 80 hours).

5-5 Status on “Diversity and Inclusion Policy” (GH, MM, AM)

During the virtual BoA Meeting that took place on 24 March 2021, Prof. Arjan Mol, raised whether EFC should have an active policy on “Diversity and Inclusion” as the topic is given increased attention from people inside and outside of communities, industries, organisations etc.

A TF "Diversity and Inclusion" was established, chaired by Marta Mohedano, and Dr. Gareth Hinds and Prof. Arjan Mol as members.

During the virtual BoA Meeting that took place on 29 September 2021, Dr. Marta Mohedano Sanchez reported on the first reflection on the topic after checking diversity and inclusion policies implemented at their own and other organisations for possible applicability also to EFC.

It was recommended to this TF to continue its work with the elaboration of recommendations and rules to be presented at the next BoA for implementation in the EFC Bye-Laws.

Dr. Marta Mohedano Sanchez will report on progress on this TF.

5-6 Guideline for EFC support to WPs (WF)

During the virtual Online BoA Meeting that took place on Wednesday 29 September 2021, following questions raised during the Virtual Online STAC Meeting that took place on Tuesday 28 September 2021, the BoA approved the creation of a TF lead by Dr. Marta Mohedano and composed with Mrs. Julija Bugajeva, the EFC Honorary Treasurer, Dr. Patrick Keil, Prof. Philippe Marcus and Mr. Stefan Ritter, to set up Guidelines for EFC Support for Working parties.

The first draft was discussed during the Online PAC Meeting that took place on 9 November 2021 and it was agreed to collect the approval of the STAC.

BoA Members will be invited to approve the proposed guidelines, see **Appendix 9**, before to be presented to the next GA Meeting.

5-7 *EFC Awards for 2022 (WF, JV)*

The deadline for the Call for Nominations to the EFC Awards 2022 was fixed on 25 February 2022 before the date of this Virtual online BoA Meeting was decided.

Usually, this deadline is established so that a delay of one month is allocated to the Jurys to deliberate on the nominations received.

The BoA members will be informed later on the results of the deliberations of the Jurys for the EFC Awards 2022, i.e., the European Corrosion Medal, the Honorary Fellow Award and the Cavallaro Medal.

Item 6 EFC Activities

6-1 *Report of the Scientific Secretary (RB)*

The report of the Scientific Secretary, Dr. Roman Bender, covering activities since the last 29 September 2021 virtual online BoA meeting is presented in **Appendix 10**.

The BoA will be invited to approve the Scientific Secretary Report.

6-2 *Report on Activities of Young EFC (MM)*

A report of the Young EFC network activities and Social Media, covering activities since the last 29 September 2021 virtual online BoA meeting will be presented by Dr. Marta Mohedano Sanchez, see **Appendix 11**.

The BoA will be invited to approve this report.

6-3 *EFC Publications*

6-3.1 *EFC Book Series (WF, RB)*

Appendix 12 prepared by the STAC Chairman, Dr. Wolfram Fürbeth, provides a status on publications in the EFC book series.

6-3.2 *EFC Newsletter (IH)*

Appendix 13, prepared by Mrs. Ines Honndorf, Frankfurt Office, presents the current situation regarding the EFC Newsletter.

6-3.3 *Progress with Items/Articles for Publication in the Four EFC Journals (RB)*

Appendix 14, prepared by the Scientific Secretary, Dr. Roman Bender, provides a status on publications in the 5 EFC Partner Journals: "*Materials and Corrosion*", "*Corrosion Engineering, Science and Technology (CST)*", "*Matériaux et Techniques*", "*Ochrona przed Korozją*" ("Corrosion Protection") and "*Koroze a chrana materiálu*" (Corrosion and Material Protection) .

Item 7 Financial issues (JB)

Appendix 15 provides the Financial Report, which will be presented by Ms. Julija Bugajeva, the Honorary Treasurer.

7-1 *Draft Accounts for 2021*

The Honorary Treasurer, Mrs. Julija Bugajeva, will present the provisional accounts for the year 2021.

The BoA will be invited to approve the provisional accounts for 2020.

7-2 *Current Subscriptions Position*

The Honorary Treasurer, Mrs. Julija Bugajeva, will present the status of subscriptions paid by EFC Member Societies (year-to-date).

7-3 *Budget for 2022*

The Honorary Treasurer, Mrs. Julija Bugajeva, will present proposals for the budget for 2022.

The BoA will be invited to approve the revision of the budget for 2022.

7-4 *Adoption of Financial Report*

The BoA will be invited to approve the Financial Report presented by the Honorary Treasurer, Mrs. Julija Bugajeva.

Item 8 International activities

8-1 *International Award: Corrosion Awareness Honour (DF)*

The International Award Corrosion Awareness Honour was created in 2019, together with CSCP, with the support of the WCO for the administration.

BoA Members will be reminded that the Call for Nomination for the Corrosion Awareness Honour 2022 was opened on 25 January with a deadline for submission of nominations to Dr. Roman Bender (roman.bender@dechema.de) on 31 March 2022, see **Appendix 16**.

The BoA Members will be informed later on the 2022 recipient.

8-2 *AMPP: Progress of the Task Force on EFC Strategy (GH)*

During the virtual BoA Meeting that took place on 29 September 2021, Dr. Gareth Hinds informed the BoA Members that the agreement negotiated with NACE in 2019 was updated and still needs to be signed. This action was delayed by the merger between NACE and SSPC to form AMPP (AMPP, <https://www.ampp.org>), as NACE were unable to sign any agreements while it was being discussed and implemented.

Dr. Gareth Hinds will report on progress on this action.

8-3 Activities in Qatar (JV)

The EFC President, Dr. Jörg Vogelsang will report on status on activities in Qatar.

8-4 Activities in China / CSCP (TP)

Dr. Tomáš Prošek will report on progress regarding the cooperation with CSCP and, especially, the organisation of a new edition of the International Conference on Corrosion Protection and Application (ICCPA) Conference, scheduled 28-29 May 2022 in Chengdu, China.

8-5 WCO (World Corrosion Organization) (DF)

Appendix 17 provides a report on status on WCO activities prepared by Prof. Damien Féron.

Item 9 Any other Business

The BoA Members will be invited to fix the date and the organisational arrangements for the next General Assembly.

BoA Members will be invited to raise any other matters.

Item 10 Date and Place of next BoA

The EFC President, Dr. Jörg Vogelsang, will propose a date for the next BoA meeting, probably in conjunction with EUROCORR 2022 in Berlin.

APPENDICES

EUROCORR REPORT FORM 2
(TO BE COMPLETED AFTER THE EVENT)

DATES OF EVENT

20-24 September 2021

VENUE

Online

OVERALL THEME OF THE CONFERENCE:

Materials science and advanced technologies for better corrosion protection

ACTUAL NUMBERS OF DELEGATES RELATIVE TO TARGETS:

CATEGORY

TARGET
NUMBERSACTUAL
NUMBERS

Committee Members, etc. (Invited)

55

49

Member Delegates

160

172

Non-Member Delegates

160

199

Students

162

175

Day tickets (and others)

Exhibitors

Total:

537

595

Total number of complimentary registrations

49

Total number of booths at the exhibition

12

Number of free booths

3

EUROCORR LEVY (Subject to a minimum of 25,000 euros):

For EUROCORR 2021 the following contracted levy was paid in €

25000

PERCEIVED REASONS FOR DISCREPANCIES BETWEEN THE ANTICIPATED AND ACTUAL NUMBERS OF DELEGATES:

LESSONS FOR FUTURE ORGANISERS OF EUROCORR:

Try to organize live or hybrid event rather the on-line one.

EUROCORR REPORT FORM 2 (Continued)

SESSION / WORKSHOP (numbers and titles to be added)	NUMBER of sub-mitted ABSTRACTS (cancelled before the conference)	NUMBER of scheduled ORAL PRESENTATIONS	NUMBER of NO-SHOWS
1 WP1	64 (3)	24	7
2 WP3	34 (2)	11	1
3 WP4	70 (11)	25	1
4 WP5	58 (13)	17	3
5 3M, WP6&8	210 (18)	57	11
6 WP7	24 (0)	7	1
7 WP9	38 (9)	8	1
8 WP10	44 (2)	13	1
9 WP11	48 (8)	17	2
10 WP13	74 (5)	26	4
11 WP14	240 (25)	55	7
12 WP15	42 (8)	13	1
13 WP16	52 (11)	14	2
14 WP17	38 (4)	19	3
15 WP18	24 (4)	9	1
16 WP19	19 (0)	1	0
17 WP20	8 (0)	4	0
18 WP21	22 (2)	8	1
19 WP22	28 (0)	12	2
20 WP23	44 (2)	18	3
21 WP24	14 (0)	6	2
22 WP25	62 (5)	23	3
23 WP3&4	14 (2)	5	1
24 WP9&10	8 (1)	5	1
25 WP14&19	10 (0)	10	3
29 WCO&TF	21 (1)	10	0
30 Medical Devices	44 (4)	15	3
31 VUB	38 (6)	14	0
32 WP17&22&25	16 (2)	7	0
33 WP11&16	20 (3)	6	1
34 WP9&16	<i>(3) moved here by the referees</i>	3	0

EUROCORR 2025 Manual

EUROCORR Manual

EUROCORR 2025

Revised edition February 2022

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EUROCORR 2025 Manual (Continued)

1 INTRODUCTION

1.1 Overview

The European Federation of Corrosion (EFC), founded in 1956, has held a congress on corrosion since 1956, hosted and organised by one of its Member Societies located in Europe. This event, now called EUROCORR, takes place over 5 days and currently consists of approximately 12-14 parallel scientific sessions and additional workshops, an exhibition, a General Assembly, some awards, plus additional events.

Currently, EUROCORR attracts over 1000 delegates, and about 50 exhibitors. The attendance is international, with delegates coming mainly from Europe, Asia and America, in this order. About 60% of the delegates come from academia.

EUROCORR is the flagship event of the EFC and is recognised as the corrosion congress with the highest academic level, unchallenged by other corrosion organisations; this event is therefore vital to the EFC. During the last decade, the congress and the exhibition have grown in size and effort is made to maintain and improve their quality and organisation from year to year.

1.2 Past EUROCORRs

The list of past EUROCORRs since 1956 is given in Appendix 1. This list includes the town, country and dates of the events. The number of delegates and of exhibitors is also included for the years for which this information is available.

1.3 Upcoming EUROCORRs

Upcoming EUROCORRs for the next 3 years are listed below:

EUROCORR 2022	Berlin	Germany	28 August – 1 September 2022
EUROCORR 2023	Brussels	Belgium	27-31 August 2023
EUROCORR 2024	Paris	France	1-5 September 2024

1.4 Hosting of EUROCORR

As stated in the EFC Bye-Laws, EUROCORR must be held in a European country and organised by an EFC Member Society or Societies. Where there is more than one Member Society in the country, it is desirable that all the Societies should be involved.

In this context, Europe encompasses all full member states of the Council of Europe.

1.5 Rotation policy

EUROCORR cannot be held within 9 years in the same country. The only exception to this rule is in the case there is no bid complying with the minimum requirements for hosting the congress.

1.6 Timing and duration

EUROCORR should ideally commence on a date between September 1st and October 15th; the scientific programme should have a duration of 4 or 5 days and efforts should be made to avoid clashes with other major corrosion conferences (see for example the listing below).

EUROCORR 2025 Manual (Continued)

In order to maintain EUROCORR as a major international event and as the main annual event in the corrosion calendar for Europe, the host society/ies may not hold another national corrosion event of similar standing in the same year. It is, however, welcome to integrate a national or international event into a EUROCORR conference.

EFC Member Societies are requested not to hold conferences on any topic related to corrosion and its prevention between these dates; where long-standing commitments exist, the matter should be discussed by the EFC Science and Technology Advisory Committee (STAC) with a view to reaching an acceptable compromise.

The organizer should ensure that the proposed EUROCORR dates do not overlap with any major corrosion or electrochemistry event of:

- ISE, [https://www.ise-online.org/ise-conferences/next ISE-meetings.php](https://www.ise-online.org/ise-conferences/next%20ISE-meetings.php),
- ECS, <https://www.electrochem.org/upcoming-meetings/>,
- AMPP, <https://www.ampp.org/events/event-listings/calendar>,
- ICC, <http://icc-net.org/index.php/icc-congresses/>,
- FEMS, <https://fems.org/events>.

See also <https://conference-service.com/conferences/electrochemistry.html>.

1.7 Format of the event

The current typical format of the event is given in Appendix 2. This format is provided as a guide and changes are possible.

The scientific programme of EUROCORR usually starts on a Monday, though a start on Tuesday is possible by exception.

1.8 How to use this manual

Bidders should refer primarily to sections 2, 3 and 4 of this Manual to successfully set up and present their bid.

Organisers will find useful information primarily in sections 3, 4 and 5 of this Manual.

EUROCORR 2025 Manual (Continued)

2 BIDDING PROCEDURE

2.1 Steps of the bidding procedure

2.1.1 Submission of the Bids

Following circulation of the call for bids by the EFC Frankfurt Office in autumn four years before a given EUROCORR, as stated in the EFC Bye-Laws, bids for hosting EUROCORR must be submitted to the Frankfurt Office three years before the beginning of the year in which the event is to be held and by the deadline given in the call for bids. The EFC Board of Administrators (BoA) makes the final decision on the organiser of EUROCORR after consideration of all of the bids that have been received. Bids for hosting EUROCORR can only be accepted from Member Societies in good financial standing.

2.1.2 Screening by the EUROCORR Selection Committee

The bids are screened by the EUROCORR Selection Committee in order to ensure that they comply with the minimum requirements of the venue for hosting the congress. The results of the screening are provided by the EUROCORR Selection Committee to the BoA to help make the decision.

The EUROCORR Selection Committee consists of a representative of the Paris and Frankfurt Offices, as well as the EFC Vice-President and the STAC Chairman.

2.1.3 Presentation and selection during the Board of Administrators meeting

The bids selected by the EUROCORR Selection Committee will be presented to the BoA during its spring meeting, usually at the end of March or beginning of April. After the presentation of the bids, the Administrators will discuss the relative merits of the bids, and their relevance to the strategic priorities of the EFC. Following this, the Administrators will vote and the bid with most votes will be declared the winner. In the case of an equal number of votes for the best bids a run-off ballot is conducted.

2.1.4 Signature of the EUROCORR Agreement

The Agreement on the Hosting and Organisation of the EUROCORR, referred in this Manual as the EUROCORR Agreement, contractually links the host, the EFC, and the EUROCORR Congress Secretariat.

This agreement should be signed as soon as possible after the selection of the host, at the latest 2 years before the EUROCORR in question.

2.2 Considerations on gifts and lobbying

It is important that no activities by bidding members could be interpreted as unfairly influencing the BoA decision-making, so great care should be taken to avoid such a situation. The EUROCORR Congress Secretariat should be consulted if bidders are uncertain about the appropriateness of any element of their planned bid. Neither gifts nor hospitality should be offered to BoA members, their families, or EFC staff who are involved in the decision-making process at any stage before, during or after the bidding process. Specifically, the bidders should not offer invitations to visit the destination or attend social or promotional events as a guest of the bidders.

EUROCORR 2025 Manual (Continued)

Also, lobbying with BoA members is not allowed at any time. After the call for bids has been issued, candidates should also no longer contact board members to ask them for advice.

2.3 Bid document

FORMAT: Electronic submission, available in any generally used format.

The main bid document should contain the information detailed in Appendix 4, ideally set out clearly in this order. Relevant pictures, maps, layout diagrams, and tables of data should be included to illustrate key points.

EUROCORR 2025 Manual (Continued)

3 FINANCIAL PROVISIONS

3.1 General principles

The host takes the financial risk, and benefits from the financial surplus generated by the Congress, minus the levy paid to the EFC.

Also, a fee will be paid to the EUROCORR Congress Secretariat, to be contractually agreed between the host and the EUROCORR Congress Secretariat (for the basic services to be provided by the EUROCORR Congress Secretariat, see paragraph 5.1.2.).

The financial provisions described in this Manual are provided in order to inform bidders, as well as hosts, before the signature of the EUROCORR Agreement. The provisions as contractually agreed in the EUROCORR Agreement will prevail over the information provided in this Manual.

3.2 The EFC Levy

The host will pay EFC a levy of

- 12.5% of the total fees paid by delegates,
- 25% of fees paid by new exhibitors and sponsors brought by EFC,
- 15% of fees paid by exhibitors and sponsors participating in the EFC Loyalty programme (based on priority list of exhibitors, see paragraph 5.3.4), and
- 0% of fees paid by exhibitors and sponsors brought by the local host,

subject to a minimum of 50,000 Euros + VAT (including deposits). The minimum is applicable for in-person EUROCORRs only, and not for virtual or hybrid formats, for which the minimum levy is 25,000 Euros.

There are deposits to be paid by the host to the EFC in advance:

- € 10,000 + VAT to be paid 2 years before the given EUROCORR (following the signature of the Agreement),
- € 10,000 + VAT after the deadline for early registration (approximately in June before the given EUROCORR).

The balance will be paid 3 months after the end of the given EUROCORR.

The invoices will be issued by the EFC Honorary Treasurer at the EFC London Office.

3.3 BoA Meetings

The host will participate twice a year in the meetings of the EFC Board of Administrators (BoA) preceding the Congress at their own cost and will provide timely reporting on the progress of the Congress preparation.

3.4 Hosting of events related to EUROCORR

The host will cover the following expenses:

- Expenses for hosting the EUROCORR Programme Meeting and the meeting of the EFC Board of Administrators (BoA) (up to 50 persons in total) wherever possible in the city of the upcoming EUROCORR on two consecutive days in spring of the year the EUROCORR takes place, including rental of rooms, Wi-Fi, coffee breaks, lunches, joint dinner on the first day and all technical facilities to run the meetings (see also paragraph 5.1.1).

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- Expenses for hosting the meetings of the EFC Board of Administrators (BoA), the Science and Technology Advisory Committee (STAC), taking place on the day preceding EUROCORR, including rental of rooms, Wi-Fi, coffee breaks, joint lunch of BoA and STAC and all technical facilities to run the meetings (see also paragraph 5.2.1).
- Expenses for hosting the business meetings of the EFC Working Parties taking place during EUROCORR in the Congress venue, including rental of rooms and all technical facilities to run the meetings (see also paragraph 5.2.4).
- Expenses for hosting the EUROCORR International Scientific Committee meeting, and other joint meetings of EFC with related organizations taking place during EUROCORR in the Congress venue (e.g. with WCO, ACA, AMPP, ICC) including rental of rooms, Wi-Fi, coffee breaks and lunches (if applicable) and all technical facilities to run the meetings (see also paragraph 5.2.4 and 5.2.6).
- Expenses for hosting the YoungEFC meeting, including rental of room and all technical facilities to run the meeting (see also paragraph 5.2.5).

The host shall arrange for facilities for internal business meetings of organizations other than EFC during or before/after EUROCORR (e.g. ISO meetings) on request. Related expenses should be borne by the respective organisation(s).

The host is free to facilitate the organization of additional events during or before/after EUROCORR (e.g. courses) by whatever means. These expenses cannot be charged to EFC. The host is free to bear or not the expenses.

The cost of the Presidential Reception (see paragraph 5.2.2) is to be borne by the host, and then invoiced to the EFC or deducted from the EUROCORR levy to be paid to the EFC.

A get-together party may follow the Young EFC meeting (see paragraph 5.2.3). This event is organized on request of the Young EFC, and the cost is to be borne by the EFC/YEFC.

3.5 The EUROCORR exhibition

A discount of 25% on the complete exhibition package is to be offered to all EFC Affiliate Members and Member Societies wishing to be a EUROCORR exhibitor (see also the “Loyalty Programme” in paragraph 5.3.4).

Complimentary booths are to be provided to EFC, WCO, AMPP and the organiser of the forthcoming EUROCORR.

3.6 Complimentary registrations

Complimentary registrations to EUROCORR to be borne by the host:

- All members of the International Scientific Committee. The International Scientific Committee includes the Working Party Chairs and the Chairs of the scientific Task Forces; additional, e.g. national, members of the International Scientific Committee are at the discretion of the host,
- The EFC President and Vice-President, the EFC Scientific Secretary and Honorary Treasurer, another EFC representative (e.g. CEO, if applicable), and three representatives of the EFC General Secretariat Offices,

EUROCORR 2025 Manual (Continued)

- The laureates of the European Corrosion Medal, the Cavallaro Medal, the Kurt Schwabe Prize and possibly the Honorary Fellow(s) of the EFC, if presented on the occasion of EUROCORR and then invoiced to the EFC or deducted from the EUROCORR levy to be paid to the EFC,
- Two AMPP representatives.

Free attendance at the EUROCORR Congress dinner is to be provided to the EFC President and Vice-President, the EFC Scientific Secretary and Honorary Treasurer, another EFC representative (e.g. CEO, if applicable), three representatives of the EFC General Secretariat Offices, the members of the International Scientific Committee, and two AMPP representatives.

EUROCORR 2025 Manual (Continued)**4 REQUIREMENTS****4.1 The Congress venue**

The requirements for the congress venue (including technical equipment) are the following:

- Main lecture theatre for opening ceremony and plenaries with capacity of at least 80% of the expected number of participants.
- 2 rooms with minimum capacity of 250 seats, 6 rooms with minimum capacity of 100 seats and 6 rooms with minimum capacity of 50 seats, each equipped with computer and projector for at least 14 parallel sessions in total.
- Connected area sufficient for a large exhibition (at least 70 exhibitors), the poster session (approx. 300 posters) and with nearby facilities to hold coffee breaks and lunch breaks (if applicable) and the poster party. The required size of this area (min. 1,000 m²) depends on the agreed target numbers and/or expected number of participants/exhibitors/posters.
- Capacity to hold additional events during EUROCORR (for details see paragraph 5.2).

All rooms should be equipped with a computer, projector, and screen.

A strong Wi-Fi should be available to the participants in the whole congress venue free of charge.

In order to facilitate the visualisation of these requirements, a summary of the rooms needed for EUROCORR is provided in Appendix 3.

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5 INFORMATION FOR ORGANISERS

5.1 Before EUROCORR

5.1.1 The EFC Spring Meetings

In the spring before the EUROCORR congress takes place, typically in March or April, the Paper Selection Meeting and the meeting of the EFC Board of Administrators (BoA) is organised by the local host wherever possible in the city of the upcoming EUROCORR on two consecutive days. On the evening between the two meetings, the participants of both meetings are invited to a dinner, at a place selected by the host.

The meeting rooms should be equipped with a computer, projector, screen, and Wi-Fi. For the BoA meeting, the seating configuration should be in U-shape style. Coffee breaks should be served in the morning and in the afternoon, as well as lunch at mid-day.

The number of participants is approx. 25-30, each. The exact number of participants is communicated by the EUROCORR Congress Secretariat for the Paper Selection Meeting, by the EFC Paris Office for the BoA meeting, and by both for the dinner.

5.1.2 Databases

Transfer of data from the EUROCORR Congress Secretariat to the host:

The submission information is collected by the EUROCORR Congress Secretariat and stored in a database, which includes: paper title, topic/session, abstract content, proposed presentation form, presenter, co-authors in the correct sequence, review decision + comments (if available). Additional information regarding the results of the review process, submission statistics etc. may be provided.

The author information is also stored at the database, which includes: gender (m/f/divers), name, affiliation, city, country, email. After the results of the paper selection meeting are settled, this will be exported in excel or csv by the EUROCORR Congress Secretariat and handed over to the host/local organizer, in order to provide the information/contacts for the author notification emails and the required information to prepare the lecture and poster programme. Delivery of this information is at the same time as the notification of authors. It may happen that the poster submission deadline is extended, updates will then be provided later. After the end of the full paper submission process, if applicable, also available full paper files can be exported as a zip file.

Several databases are updated and transmitted each year from one host to another (via the EUROCORR Congress Secretariat):

- The list of exhibitors, including information of the contact person(s), especially of the main decision-maker (when available);
- The list of “no-shows”, i.e. people who registered as oral lecturers but did not show up;
- The list of non-payers;
- The list of withdrawn posters and presentations;
- List of participants (full address and e-mail). It is the responsibility of the host to ensure that the transfer of the data complies with GDPR. A respective opt-in clause must be included in the online registration form.

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Proposed text:

"I agree that my personal data collected in connection with registration for EUROCORR 20XX will be shared with the European Federation of Corrosion and its Member Societies hosting following EUROCORRs solely for use in promoting subsequent events and activities. [tick box to be added]"

5.1.3 The establishment of the scientific programme

The International Scientific Committee shall determine the content, structure and duration of the scientific programme and guarantee the quality of contributions. The composition of the International Scientific Committee, as well as guidelines for the establishment of the scientific programme, are provided in the EUROCORR Agreement mentioned in paragraph 2.1.4 of this Manual.

5.1.4 Establishment of the local organizing committee

The local organiser is responsible for the establishment of the local organising committee. The committee is chaired by a representative of the HOST and co-chaired by a person nominated by the EFC BoA. The latter should be a full member of the local organising committee.

5.1.5 Timeline and responsibilities before EUROCORR

A provisional work-plan, including responsibilities, deadlines and workflow (to be discussed and confirmed by the host), is included in the EUROCORR Agreement.

5.2 Additional events during EUROCORR

All rooms should be equipped with a computer, projector, screen, and Wi-Fi.

5.2.1 The STAC and BoA Meetings

The STAC (usually from 9:00 to 13:00) and BoA (usually from 14:00 to 18:00) meetings take place on the day of the opening of the EUROCORR Congress, usually a Sunday (sometimes a Monday).

The seating configuration room should be in U-shape style. Coffee breaks should be served in the morning and in the afternoon, as well as lunch at mid-day.

The number of participants is approx. 30, each. The exact number of participants is communicated by the Scientific Secretary for the STAC Meeting, and by the EFC Paris Office for the BoA Meeting.

5.2.2 The Presidential Reception

A Presidential Reception is to be organised by the Frankfurt Office according to proposals of the HOST. The invitations are sent by the Frankfurt Office on behalf of the EFC President. The Frankfurt Office will communicate the number of attendees.

5.2.3 The EFC Working Party and Task Force Meetings (Business meetings)

The EFC Working Parties and scientific Task Forces usually program Business Meetings during the EUROCORR Congress. Special requirements for these meetings (e.g. duration, room size) are to be checked with the EUROCORR Congress Secretariat.

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5.2.4 The International Scientific Committee Meeting

For the International Scientific Committee Meeting of the upcoming EUROCORR, the room should be in theatre style. A working lunch should be served.

The number of participants is up to 30. The exact number is communicated by the Scientific Secretary.

5.2.5 The Young EFC Meeting

For the Young EFC Meeting, the room should be in theatre style. The number of participants is up to 60. The Young EFC is in charge of the organisation.

A get-together party may follow the Young EFC meeting. This event is organized on request of the Young EFC.

5.2.6 Meetings with partner organizations and internal EFC meetings

Concerning additional extra events, e.g. meetings with partner organizations (AMPP, ICC, CSCP, WCO etc.) and EFC internal meetings (e.g. non-scientific Task Force meetings), the requirements are the following:

- room(s) for 15 attendees in U-Shape style;
- refreshments or lunches depending on the time of the event.

The planning and the number of participants for these meetings is communicated by the EFC Scientific Secretary.

Please note that these meetings are internal to EFC and thus not to be included in the Programme.

5.3 The Exhibition

5.3.1 General considerations

The host shall ensure a smooth organisation of the exhibition including set-up and dismantling. An Exhibitor Manual shall be produced and available in good time before the start of the call for papers. The exhibitors should be promoted prominently on the local EUROCORR website.

5.3.2 Objectives of Exhibitors

Information collected during past EUROCORRs show that the main objectives of exhibitors are:

1. Commercial networking, meeting new business partners
2. Visibility

These goals come before “Prospecting clients” and “Learning / update on innovations and trends”.

Therefore, actions to ensure or improve the recruitment of exhibitors and their satisfaction should focus on addressing these two main objectives.

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Below are some suggestions, all proposed by exhibitors and companies. Local organisers are free to implement them or not.

- Proposing application-oriented workshop(s) dedicated to companies. Many exhibitors hope to give an oral presentation, so that interested people will come and further discuss at the company's booth. A space within the exhibition can be dedicated to commercial presentations, for exhibitors willing to pay an additional fee.
- Sending a mail to exhibitors a few weeks before the exhibition, with information about the participants: e.g. number of participants from each country, name of represented companies. This information will help exhibitors to prepare for the exhibition.
- Exhibitors / participants could have their contact information displayed, e.g. in the e-mail cited above or in the mobile application of the Congress (e.g. via a contact form included in the mobile application without displaying the contact information). Some companies will be happy to have this opportunity. Of course, GDPR regulation have to be followed.
- Possibility to register for the exhibition only. Note that this requires additional resources, as it is then necessary to ensure that people entering session rooms have registered for the scientific programme.

Note however that no commercial presentation should be included in plenary lectures, and scientific presentations should follow the normal selection process.

5.3.3 Requirements for the exhibition area

The target number for EUROCORR Exhibitors is a minimum of 70 exhibitors.

The area hosting the exhibition should be connected with Wi-Fi.

It is very important that the configuration of the Exhibition area ensures a high level of traffic for all booths. In order to meet this objective, coffee and lunch breaks (if applicable) should be included in or nearby the exhibition area and configured in a way to ensure traffic to all booths. If possible, the Poster Area and the Poster Party could also be included in the exhibition area.

Spreading the exhibition over several floors is not recommended.

The required size of this area (min. 1,000 m²) depends on the agreed target numbers and/or expected number of participants/ exhibitors/ posters.

If some booths are less exposed to traffic, they should be allocated by preference to non-paying exhibitors.

5.3.4 The Loyalty Programme

Context

The location of the booth in an exhibition is an important factor for the traffic at the booth, and thus for the success of the exhibitor. EUROCORR exhibitors requested a loyalty programme allowing priority on choosing the location of the booth for e.g. returning exhibitors. The scheme of the loyalty programme should reward companies in a fair way, and at the same time should be simple enough for organisers to manage it. The scheme of the loyalty programme for EUROCORR exhibitors is given by the set of priority rules below.

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Scheme of loyalty programme (priority rules)

1. Main sponsors are given first priority. The level of sponsoring giving access to first priority is defined by local organisers.
2. Next, exhibitors pre-booking at EUROCORR N-1 are given priority. Among them, the rules in steps 4-5 are applied to rank priority.
3. Next, Affiliate Members are given priority. Among them, the rules in steps 4-5 are applied to rank priority.
4. The higher the points detained by the company, the higher its priority to choose booth location. Number of points is calculated as follows:
 - a. Participation at EUROCORR N-1 gives 10 points, participation at EUROCORR N-2 gives 9 points, etc. until EUROCORR N-10
 - b. Participation is taken into account for the previous 10 years
5. If several companies have the same number of points, priority is determined by chronological order of registration (date of duly filled order).

Planning and organisation

Organisers advertise, market and recruit exhibitors “as usual”, but the attribution of booth location is done as follows:

- A deadline for inclusion into the loyalty programme is determined in advance by local organisers.
- Exhibitors registered before the deadline are not allocated a booth immediately; instead, organisers contact them after the deadline in the order determined by the priority rules for choosing the booth location.
- Exhibitors registered after the deadline are allocated remaining booths on the basis of their date of registration (duly filled order).

Responsibilities

- New EFC employee:
 - Ask organisers of EUROCORR N-1 for transmission of actualised database of exhibitors
 - Calculate priority points (simple excel sheet)
 - Transmit to organisers of EUROCORR N the list of exhibitors with their priority points
 - Request update of webpage on EFC site with information about the loyalty program, that organisers can use when prospecting companies
- Organisers:
 - EUROCORR N-1: transmit actualised database of exhibitors to New EFC employee
 - EUROCORR N:
 - Set deadline
 - Inform about loyalty programme and deadline when marketing companies
 - Follow the planning and organisation detailed above

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5.4 Visuals and printed material

5.4.1 Local Website

The host is in charge of setting up a local EUROCORR website with the domain name eurocorrxxxx.org.

Typical information on the website managed by the host is listed below:

- Invitation/ homepage
- Location/Venue
- Accommodation
- Social Programme
- Exhibition/Sponsoring
- Contacts/responsibilities
- Registration including payment
- Visa applications

5.4.2 Name and logos

All the EUROCORR visuals on promotional tools (flyers, website and email banners, printed Programme etc.) must include the following elements:

- The congress name with the year: "EUROCORR 20xx"
Preceded or followed by the EUROCORR Brand: "The annual event of the European Federation of Corrosion"
- EFC logo
- EUROCORR logo
- Logo of the EUROCORR Congress Secretariat

The website (<http://eurocorr.org/eurocorr2016.html>) or banner (below) of EUROCORR 2016 provide examples of these directives.



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5.4.3 Badges

The delegate badge should include the following elements:

- Name and surname
- Role (Delegate, Exhibitor, EFC Official) – possibly with different colour codes
- Organisation (e.g. DECHEMA, TOTAL, University of Toronto...)
- Country

If the badges are used with a lanyard, the EFC recommends the badges to be printed on both faces.

5.4.4 The Programme

The Programme contains the scientific programme of the Congress, along with other important information. It is made available to all participants, including the exhibitors.

The EFC recommends that the host develops a mobile application for the Programme, where all information is easily accessible, as most people prefer to use their smartphones. Once the App is developed it should be reused (possibly in a modified way) in subsequent years. The Programme should also be available on-line on the local EUROCORR website.

The appearance of the Programme should comply with the rules given in paragraph 5.4.5. Also, it should include the EFC event number allocated to the Congress.

5.4.5 Printed information

The following printed documents should be included in the delegates' bag distributed to all participants of the congress, including exhibitors:

- A map of the congress centre on which the different rooms of the scientific program, the exhibition and poster area(s), as well as the coffee breaks and lunches areas are well identified;
- A map of the exhibition area on which booths and exhibitors are well identified;
- An overview of the scientific programme.

If there is no mobile application for the programme, then a printed programme (that may include the maps listed above) should be included in the delegates' bag.

Also, the EFC Newsletter should be included in the delegates' bag. Note that remaining copies of the EFC Newsletter should be sent to the Editor after the congress.

5.5 After EUROCORR

The host has to fulfil several important obligations after the EUROCORR congress has taken place. These include:

- The payment of the EUROCORR Levy to the Honorary Treasurer, as described in paragraph 3.2.
- The update and transmission of the databases that are transmitted from one year to another (see paragraph 5.1.2 to the EUROCORR Congress Secretariat).
- The report to the BoA meeting taking place in March or April on the year following the EUROCORR in question, including the "Report Form 2" which has to be sent to the Paris Office in January of the same year, for inclusion into the Working Papers of the meeting. Reporting in person is not compulsory.

EUROCORR 2025 Manual (Continued)**APPENDICES****Appendix 1: PAST EUROCORRs**

Number of delegates: including exhibitors and non-paying delegates

Number of booths: including non-paying booths

Year	Name	Town	Country	Dates	Nb of delegates	Nb of booths
2021	EUROCORR 2021	virtual	—	20-24 Sept	613	12
2020	EUROCORR 2020	virtual	—	7-11 Sept	598	10
2019	EUROCORR 2019	Seville	Spain	9-13 Sept	1248	40
2018	EUROCORR 2018	Cracow	Poland	9-13 Sept	1233	50
2017	EUROCORR 2017	Prague	Czech Republic	3-7 Sept	1406	51
2016	EUROCORR 2016	Montpellier	France	11-15 Sept	1097	55
2015	EUROCORR 2015	Graz	Austria	6-10 Sept	805	31
2014	EUROCORR 2014	Pisa	Italy	8-12 Sept	988	28
2013	EUROCORR 2013	Estoril	Portugal	1-5 Sept	882	18
2012	EUROCORR 2012	Istanbul	Turkey	9-13 Sept	819	27
2011	EUROCORR 2011	Stockholm	Sweden	5-8 Sept	783	20
2010	EUROCORR 2010	Moscow	Russia	9-13 Sept	617	15
2009	EUROCORR 2009	Nice	France	6-10 Sept	743	12
2008	EUROCORR 2008	Edinburgh	Scotland	7-11 Sept	803	
2007	EUROCORR 2007	Freiburg	Germany	9-13 Sept	654	
2006	EUROCORR 2006	Maastricht	Netherlands	25-28 Sept		
2005	EUROCORR 2005	Lisbon	Portugal	4-8 Sept	691	
2004	EUROCORR 2004	Nice	France	12-16 Sept	615	
2003	EUROCORR 2003	Budapest	Hungary	28 Sept-2 Oct	349	
2001	EUROCORR 2001	Riva del Garda	Italy	30 Sept-4 Oct	274	
2000	EUROCORR 2000	London	UK	10-14 Sept	418	
1999	EUROCORR '99	Aachen	Germany	30 Aug - 2 Sept	±500	
1998	EUROCORR '98	Utrecht	Netherlands	28 Sept - 1 Oct	440	
1997	EUROCORR '97	Trondheim	Norway	22-25 Sept		
1996	EUROCORR '96	Nice	France	24-26 Sept		
1994	EUROCORR '94	Bournemouth	UK	30 Oct - 3 Nov		
1993	10th European Corrosion Congress	Barcelona	Spain	5-8 July		
1992	EUROCORR '92	Espoo	Finland	31 May - 4 June		
1991	EUROCORR '91	Budapest	Hungary	21-25 Oct		
1989	9th European Corrosion Congress	Utrecht	Netherlands	2-6 Oct		
1988	EUROCORR '88	Brighton	UK	3-5 Oct		
1987	EUROCORR '87	Karlsruhe	Germany	6-10 April		
1985	8th European Corrosion Congress	Nice	France	19-21 Nov		
1982	EUROCORR '82	Budapest	Hungary	18-22 Oct		
1981	7th European Corrosion Congress	Mainz	Germany	6-11 Sept		

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1977	6th European Corrosion Congress	London	UK	19-23 Sept
1973	5th European Corrosion Congress	Paris	France	24-28 Sept
1969	4th European Corrosion Congress	Amsterdam	Netherlands	7-14 Sept
1963	3rd European Corrosion Congress	Brussels	Belgium	4-7 June
1958	2nd European Corrosion Congress	Frankfurt	Germany	30 May - 8 June
1956	1st European Corrosion Congress	Paris	France	18-24 Nov

EUROCORR 2025 Manual (Continued)**Appendix 2: TYPICAL FORMAT OF EUROCORR**

Day	Time (typical)	Event
Sunday	Morning or afternoon	Opening of registration
Sunday	Late afternoon	Welcome reception
Sunday	Morning	STAC meeting
Sunday	Lunch time	Lunch of STAC and BoA meeting participants
Sunday	Afternoon	BoA meeting
Monday	Morning	Opening ceremony, including: opening speech of the EFC and Hosting Member Society Presidents Honorary Fellowship of the EFC European Corrosion Medal Corrosion Medal recipient's lecture Cavallaro Medal (every 2 years) Opening of the Exhibition
Monday	Afternoon	Young EFC meeting
Monday	Evening	Presidential Reception
Tuesday	Late afternoon	Exhibition party
Tuesday	Evening	Social event
Wednesday	Late afternoon	Poster party
Wednesday	Evening	Gala dinner
Thursday	Morning	Award ceremony for the young community: Poster Prize, EUROCORR Young Scientist Grant, Kurt Schwabe prize
Thursday	Mid-afternoon	Closing ceremony Closing of the Exhibition

EUROCORR 2025 Manual (Continued)**Appendix 3: EUROCORR STRUCTURE**

EUROCORR Structure									
	Sunday		Monday		Tuesday		Wednesday		Thursday
	AM	PM	AM	PM	AM	PM	AM	PM	AM
Requirements Computer, beamer, screen, Wifi, Theater style Auditorium Minimum 1 000 seats or 80 % of the expected number of participants									
Minimum 250									
Minimum 250									
Minimum 100									
Minimum 100									
Minimum 100									
Minimum 100									
Minimum 100									
Minimum 100									
Minimum 50									
Minimum 50									
Minimum 50									
Minimum 50									
Minimum 50									
Minimum 50									
Preview									
Young EFC Meeting 50-60 seats Lunch time: International Scientific Committee EUROCORR N+1 30-35 seats Half day: WCD GA 15 seats Scientific Program									
Exposition Area for 70 Exhibitors - Minimum 1 000 m ²									
Posters Area for 200 Posters									
Rooms for Business Meetings, room(s) for meetings with pairs and EFC internal meetings									
Coffee Breaks and Lunches for all participants									

EUROCORR 2025 Manual (Continued)**Appendix 4: TEMPLATE FOR THE BIDDING DOCUMENT****1. Introduction**

The bid document should include an introduction that clearly summarises the motivation of the local host: why are they bidding, why for this year, what do they intend to deliver to EFC and to EUROCORR delegates.

2. Background of the organising EFC Member Society/Societies

- Name(s), address(es), main contact person(s) responsible of the organisation of EUROCORR (including e-mail).
- Examples of events organised in the past, including the number of participants and registration fees. Please attach information material (flyers, proceedings or the like).
- If relevant, other expertise.

3. Details of the planned EUROCORR

- Name and address of the venue
- Dates and duration (see paragraph 1.6 of the Bid Manual)
Please make sure that the proposed dates do not overlap with any major corrosion or electrochemistry event of ISE, ECS, AMPP, etc.
- Expected numbers of participants
- Registration fees (including local VAT):

Registration fees (€)	early	regular	on site
Member EFC:			
Non-Member EFC:			
Students:			
One Day:			

(Note that complimentary registrations usually include a minimum of 50 persons.)

- Please note that lunches and coffee breaks should be included in the registration fees.
- Please indicate if conference dinner is included in the registration fees.

4. Budget

Please indicate how EUROCORR organization will be funded (by the society / professional conference organiser)

- If funded by society, please include your society's audited Balance Sheet for the last 2 financial years with the bid;
- If funded by PCO, please include letter from PCO confirming their financial commitment to fund the costs of organising EUROCORR with the bid.

You might use the template budget provided as a guide on request.

EUROCORR 2025 Manual (Continued)

You should consider the provision for expenses provided in Section 3 of the Bid Manual.

5. Capacity and equipment of the venue

The minimum requirements for the venue are specified in Section 4.1 of the Manual for Bidders.

Please indicate:

- The capacity of the main lecture theatre
- The number and capacity of secondary lecture theatres
- The capacity of the exhibition and poster area
- The expected number of exhibitors (target number: minimum 70 exhibitors)

Please provide a map of the venue.

6. Organisational structure

Please describe how the Local Congress Office will be organised, including the number of people from the Member Society(ies) participating in the organisation, eventual contact and role of a PCO and details of the proposed allocation of responsibilities between the society(ies) and the EUROCORR Congress Secretariat.

7. Associated events

- Will other meetings be held concurrently with the event? If yes, provide information.
- Will social events be arranged? If yes, please provide details: additional costs for participants, expected size and location, if available.
- Do you plan to organise special events for students? If yes, please provide information.

8. Accessibility and accommodation

- Is the venue close to main transportation networks? Please provide details.
- Is the town centre easily accessible from the venue? Please provide details.
- Please provide details of hotels, youth hostels etc.

9. Scientific programme

In addition to the scientific areas covered by the Working Parties, which themes/scientific area would you like to focus on?

EUROCORR 2025 Manual (Continued)

Appendix 5: RECOMMENDATIONS FROM PAST HOSTS

The recommendations from past hosts are included in the “Report forms 2” available in the working papers of the BoA meeting taking place each year in March or April. The recommendations below include the most complete set of advices of the recent years, from the hosts of EUROCORR 2015 and EUROCORR 2017.

RECOMMENDATIONS FROM HOSTS OF EUROCORR 2017 (PRAGUE)

The most useful set of advices for any first-time EUROCORR organiser was provided by the Graz EUROCORR 2015 team, see BoA Working Papers, Paris, 08/04/2016, Page 55. We particularly appreciated the following recommendations:

Gregor Mori's Golden EUROCORR rules

- Great **plenary lectures** attract participants. Better to choose top level international scientists and industry representatives than less known locals.
- **Food** of good quality in a sufficient amount is a must. Hungry participants are not going to enjoy the conference. There need to be enough serving locations to avoid queuing.
- Participants highly appreciate **free tickets for public transport**.
- **Be strict regarding demands for registration fees reduction**. There are simply too many of them to be sustainable.
- Be tougher before the conference, then friendly during the conference; people will be pleased. If you do the opposite people will be disappointed.

Further comments and recommendations:

- **Accommodation.** No need to spend much time on selecting and negotiating hotels. Most people book their rooms directly through *booking.com* and similar services. It might be useful to provide some cheap rooms in e.g. university residence halls for students.
- **Advertising.** The conference was widely advertised by roll-ups, stands, leaflets and short presentations in local, European (EGGA, Korrosionsschutz Germany) and international conferences (NACE, APCCC – Asian Pacific Corrosion Control Conference in India, SAE in China, CRFI in Israel, PSK in Poland) and by adverts in partner journals (Focus Rostfrei / Stainless Steel Focus, Materials and Corrosion, local journals). Although we are not able to assess the impact exactly, the strategy was successful and brought additional participants and exhibitors. However, especially outside Europe, it is useful to start advertising at least a year before the conference to attract also more active participants.
- **Communication.** Rapid and smooth e-mail and phone communication in all kind of matters before and during the conference was appreciated. Any participant should be rapidly answered and helped. A designated phone number and specific e-mail addresses were published at the conference web site. A help desk in the congress centre also served many participants.
- **Conference dinner.** Informal, buffet-style dinner was well accepted by EUROCORR participants. They liked there was no additional fee for it, which otherwise limit

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participation of students, younger researchers and company representatives. However, it was a costly decision and thus needs to be carefully considered.

- **Courses.** Both the Graduate Course and Tribocorrosion Course were successful, attracting about 30 attendees each and bringing additional income and possibly also participants. Good visibility of the courses at conference web page, during registration, in e-mails, leaflets and elsewhere is crucial.
- **Exhibition, sponsoring.** For a newcomer, it is time consuming and inefficient to attract companies to EUROCORR. People we know in companies are not those who decide on sponsorship and commercial activities. These are difficult to get to and even more difficult to get convinced. Together with the PCO, we spent a lot of time by visiting stands in previous EUROCORRs, at NACE and other conferences and fairs, by e-mailing all previous exhibitors and sponsors, by personal meetings. EFC should take over exhibition and sponsoring in future; if a good formula is agreed on, both local organizers and EFC would benefit.
- **Exhibition and corrosion control industry.** Some exhibitors from corrosion control companies complained about low participation of customers to EUROCORR. It is true that EUROCORR is still largely academic and even many people from industry are from research departments, not directly concerned with business, purchasing and marketing. It might help to invite (or to let exhibitors to invite) their local customers for a discount price or for free for a day visit.
- **Free lunch.** In past years, it became a standard in EUROCORRs. If not provided, participants would be disappointed.
- **Meeting rooms.** Many efforts were invested into correct assignment of rooms to sessions. Information on expected attendance was obtained from chairpersons and the allocation fine-tuned after the paper selection meeting. Still, some sessions were overcrowded. To help future EUROCORR organisers, numbers on attendance was collected with help of students assisting in each room.
- **Member fee.** After the conference, we have found out that a non-negligible number of those who claimed to be members of our association during registration to get the reduced fee were not members in reality. A verification procedure should be introduced as this leads to significant financial losses for local organizers.
- **No shows.** Surprisingly high number of authors submitted abstracts but never registered for the conference. These need to be eliminated rather early by setting a deadline for author registration to limit no shows and provide space for others. The necessary communication is very time consuming.
- **PCO.** A small member association can hardly organise EUROCORR without help of a PCO. We were very happy with services of Guarant Int. The company took care about a number of minor tasks that would otherwise overwhelm us.
- **Photographs.** Regular updates of photographs from social events and scientific programme were followed by the participants. Many hundreds of them looked at and downloaded them.
- **Printed programme.** The programme was printed on matte paper. Matte paper is slightly more expensive than glossy one but allows for easy jotting. Note pages were added.
- **Presentation system.** For smooth transition of presenters, no one's own computers should be allowed. An integrated timer help in time keeping.

EUROCORR 2025 Manual (Continued)

- **Proceedings.** Many complains came because of a low number of full papers in proceedings. The trend of the decreasing number of full papers needs to be reversed by increasing the proceedings impact by e.g. indexing at Scopus or Web of Science.
- **Social events** (welcome party, exhibition opening, poster party). Even short and relatively modest social events increase the chance of the participants to interact and are appreciated.
- **Social events registration.** Participation to all social events was free of charge but possible only for those who selected it during registration. It reduced the numbers by about 15 %.
- **Social media.** Facebook and LinkedIn profiles were maintained to bring more participants. In order to be efficient, updates need to be fed regularly. We did not find sufficiently enthusiastic person to do it. It would be useful if profiles in selected social media outlets are created and maintained by the EFC to support future EUROCORRs.
- **Tours.** Visitors from overseas required tours for accompanying persons. These can be outsourced.
- **Visa Iran.** As noted already a year ago by the Montpellier organisers, it may take a very long time for Iranians to get a visa to Europe. They should be informed and provided with all documents in advance.
- **Water and coffee apart of coffee breaks.** Water fountains were available permanently in the congress centre. Cash bars with coffee, beer and soft drinks were appreciated. Still, some people demanded free coffee between coffee breaks. We considered it but the cost would be too high. If e.g. a sponsor could pay for it, participants would definitely welcome it.

RECOMMENDATIONS FROM HOSTS OF EUROCORR 2015 (GRAZ)

Exposition :

- **Advertising:** The amount of registrations and exhibitors is the result of a lot of advertising. We had an agreement with NACE so we published an EUROCORR advert in the CORROSION programme.
Additionally the chairman was attending some corrosion conferences in the European area and promoted the conference and spread out flyers.
We also published adverts in different journals and asked the other steel organisations for promoting EUROCORR 2015 to their members.
- **Contacts:** It is good to contact both the national contact person and the contact person from EUROCORR 2015, because the later already “knows everything” and made a decision in favour of a booth.
Voestalpine: contact Mr. Reicht
- The big companies (e.g. suppliers in Oil & Gaz, Automotive) should be there every year.
- The exhibitors should be given the freedom of choice, for example if they want a really big booth.
- Someone at EFC should be responsible to oversee the exposition from year to year, in order to build knowledge and to transfer knowledge from one Organisation Committee to the next. Also one should build a data base with the people who take the decisions.

Conference:

- It is very important to have very good **plenary lectures**. They attract people.

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Try to get them from all over the world. Do not have many lecturers from the local country: the local people will come anyway! Instead give a more international dimension to the conference.

- **Planning of the scientific programme:** this was done with the help of the Dechema. It costs money but it is very helpful. The Convera Software for the scientific programme was very good and really easy to handle.
- **"No-shows":** We had to set an absolutely deadline, for not reacting authors, before printing the programme and the authors had been informed about this last deadline twice. After this deadline we removed all presentations, when we didn't receive an answer. Because of that I think we had only about 4 no-shows.
- **Computer system for presentations:** Do not use Mac, because the majority of people use PC. Some people with PC had problems when using the Mac computers for their presentations.
- **Food:** Do not hesitate to spend money on food, to make sure participants are happy with it and that everybody will have enough food and nobody is hungry, even on the last day.
- **Accompanying persons programme:** our experience is that not many participants come with their wife or husband, so do not spend too much on that.
- **Accommodation logistics:** Had been outsourced to the local tourism agency. It is really important to offer a lot of cheap accommodations.
- Be tougher before the conference, then be friendly during the conference; people will be pleased. If you do the opposite people will be disappointed
- **Fees reductions:** many asked for reductions. Be tough!
- **We recommend to give all participants free tickets for the public transfer. They loved it.**

Prof. GARETH HINDS FNACE FICorr FIMMM FEng**CURRICULUM VITAE****Personal**

Date of birth: 11th August 1973
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 Hampton Road, Teddington, Middlesex, TW11 0LW, UK.
 Contact Details: Tel. + 44 20 8943 7147; E-mail: gareth.hinds@npl.co.uk

Employment

2002 – Present National Physical Laboratory, Teddington, UK.
 Currently NPL Fellow/Science Area Leader - Electrochemistry
 2000 – 2002 Physics Department, Trinity College, Dublin 2, Ireland.
 Role: Postdoctoral Research Fellow (Electrochemistry)

Education

1996 - 2000 Physics Department, Trinity College Dublin, Ireland.
 PhD (Electrochemistry)
 1992 - 1996 Physics Department, Trinity College Dublin, Ireland.
 B.A. (Mod) Experimental Physics

External Positions

- President, Institute of Corrosion, Northampton, UK (2018-20)
- Visiting Professor, Dept. Chemical & Process Engineering, U. Strathclyde
- Guest Professor, Harbin Institute of Technology, China
- Honorary Professor, Dept. Chemical Engineering, UCL

Awards

- Christian Friedrich Schönbein Medal (2013) from European Fuel Cell Forum
- Rutherford Prize (2014) from NPL
- Fellow Honor (2017) from the National Association of Corrosion Engineers
- Collaborate to Innovate Award (2017) from The Engineer

Professional societies

- Fellow of the Royal Academy of Engineering (FEng)
- Fellow of the Institute of Corrosion (FICorr)
- Fellow of the Institute of Materials, Minerals & Mining (FIMMM)

Committees

- IEC TC 105 (Fuel Cell Technologies); IEC TC 21 (Secondary Cells and Batteries)
- AMPP STG 31 (Oil and Gas Production - Corrosion and Scale Inhibition)
- AMPP TG 494 (Four-point bend test), TG 533 (Underdeposit corrosion)
- EFC WP 13 (Corrosion in Oil and Gas Production)
- Member, Board of Administrators, European Federation of Corrosion
- IOM3 Corrosion Committee/Energy Transition Group; UK Corrosion Network
- Advisory Board Member: EPSRC SUPERGEN Programme, Fuel Cells/Hydrogen CDT
- BEIS Energy Storage Health & Safety Governance Group

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CURRICULUM VITAE (Continued)

Publications (see Appendix)

- Over 200 publications, including 94 peer-reviewed journal papers, 22 conference papers, 69 NPL technical reports and numerous articles and good practice guides.
- Significant contributor to several NACE, ISO and IEC standards.

Invited lectures (selected)

- *Influence of microporous layer on corrosion of PEMFC metallic bipolar plates*, AEM 2018, University of Surrey, Guildford, September 2018 (keynote).
- *Influence of surface condition on environment assisted cracking of corrosion resistant alloys*, Corrosion 16, Vancouver, Canada, March 2016.
- *Underdeposit corrosion in oil and gas applications*, Gordon Conference (Aqueous Corrosion), New London, New Hampshire, July 2014.
- *In situ mapping of electrode potential in a PEMFC*, 224th Electrochemical Society Meeting, San Francisco, October 2013.

Research focus

- Development of novel in situ diagnostic techniques, modelling tools and standard test methods for assessment of corrosion and material degradation in energy applications.
- Strong track record of delivering innovative solutions to engineering problems with demonstrable impact on industry in a range of sectors, including oil and gas, power generation and electrochemical energy conversion and storage.
- Research output not only recognised for its high quality but has often challenged popular misconceptions in the scientific and technical literature, leading to significant changes in both scientific thinking and industry practice.

Primary scientific achievements

- Developed coupled multi-electrode array test method for evaluation of inhibitors for underdeposit corrosion of carbon steel pipelines. Using the technique, demonstrated that operational responses to common problems in the field were often misguided due to the counter-intuitive nature of the corrosion mechanism.
- Invented method for measurement of pitting potential of corrosion resistant alloys in representative oilfield environments (elevated temperature/pressure, CO₂/H₂S, concentrated salt solution), using cooling rather than dilution to prevent crevice corrosion. This opens up the possibility for the development of a more scientific and cost effective framework for materials selection.
- Developed advanced drop evaporation test method for corrosion resistant alloys, showing that cracking of duplex stainless steel is possible at significantly lower temperatures than previously assumed. Led to revision of standards regarding threshold temperature for coating of these materials in marine environments.
- Performed world first in situ measurements of crack tip potential in steam turbine disc steel in condensate environment, demonstrating that only limited polarisation of the crack tip is achievable under these conditions.
- Developed innovative fuel cell reference electrode, facilitating for the first time mapping of electrode potential across the active area of an operating PEMFC. Powerful tool for evaluation of start-up/shut-down tolerant catalysts and mitigation strategies for carbon corrosion. Significant global uptake by industry.

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CURRICULUM VITAE (Continued)

- Invented novel galvanostatic technique for simultaneous in situ measurement of electrochemical active surface area of each cell in a PEMFC stack. This ground breaking diagnostic tool enables monitoring of catalyst degradation throughout the lifetime of a fuel cell stack, which was not previously possible.
- Pioneering in situ measurement of corrosion potential of metallic bipolar plate in an operating PEMFC, which challenged popular misconceptions on ex situ testing and will result in redefinition of US DoE test protocols and acceptance criteria.
- Application of novel reference electrode concept to PEM electrolyzers, demonstrating that catalyst degradation during shut-down is actually associated with the cathode, contrary to accepted wisdom in the industry. This is supporting the development of accelerated stress test protocols for more durable catalysts.
- Conducted world first in situ synchrotron imaging of internal structural dynamics of lithium ion battery during thermal runaway, revealing decomposition of electrolyte, gas pocket formation and collapse of electrode layers.
- Undertook the first rigorous quantitative analysis of the relative magnitude of the forces acting in aqueous solution during electrochemical reactions in an applied magnetic field, thereby demonstrating that the effect of the widely accepted paramagnetic gradient force is in fact completely negligible.

Consultancy

Research, testing, failure analysis and expert advice on corrosion and material degradation for a wide range of clients, primarily in the energy sector. Selected examples are shown below - a full list of technical reports is found in the Appendix.

- Development of test methods for characterisation of localised corrosion and stress corrosion cracking of chain steels in mining environments. Client: mining contractor - NPL Test Report 2015040036 (2016).
- Evaluation of proprietary mitigation strategies for carbon corrosion during fuel cell start-up/shut-down using unique NPL instrumented cell. Client: fuel cell manufacturer - NPL Report MAT (RES) 224 (2014).
- Development of novel corrosion and wear corrosion test protocols for engine lubricants exposed to acidic combustion products. Client: lubricant manufacturer - NPL Test Report 2013060320 (2014).
- Evaluation of risk of stress corrosion cracking of carbon steel coupled to stainless steel in simulated syngas environments. Client: oil and gas operator - NPL Report MAT (RES) 208 (2013).
- Investigation and explanation of effect of cathodic protection on seawater chemistry within a wind turbine monopile. Client: wind farm operator - NPL Report MAT (RES) 193 (2013).
- Pitting potential measurements on duplex stainless steel welds at elevated temperatures and pressures not achievable by other research/testing providers. Client: oil and gas operator - NPL Test Report 2012050472 (2012).
- Evaluation of risk of underdeposit corrosion in an operational oil pipeline following failure of pig launchers. Client: oil and gas operator - NPL Test Report 2011050400 (2012).
- Evaluation of risk of galvanic corrosion of stainless steel radioactive source containers for biomedical applications. Client: radioactive source manufacturer - NPL Test Report E08010475 (2008).

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CURRICULUM VITAE (Continued)

APPENDIX - PUBLICATION LIST

Peer-reviewed journal papers

- [94] *Thermal runaway of Li-ion cells: How internal dynamics, mass ejection, and heat vary with cell geometry and abuse type*, J. Electrochem. Soc. 169, 020526 (2022)
- [93] *A quantified study of the resistance of duplex stainless steels to HISC: Part 2 - Significance of the hydrogen permeation properties and severity of stress raisers, on hydrogen transport and cracking*, L. Blanchard, K. Sotoudeh, J. Hesketh, G. Hinds, H. Dong, Corrosion 3961 (2022)
- [92] *Mass transport in PEM water electrolyzers: A review*, M. Maier, K. Smith, J. Dodwell, G. Hinds, P.R. Shearing, D.J.L. Brett, Int. J. Hydrogen Energy 47, 30 (2022)
- [91] *Electro-thermal mapping of polymer electrolyte membrane fuel cells with a fractal flow-field*, V.S. Bethapudi, J. Hack, G. Hinds, P.R. Shearing, D.J.L. Brett, M.-O. Coppens, Energy Conversion and Management 250, 114924 (2021)
- [90] *Improved operando Raman cell configuration for commercially-sourced electrodes in alkali-ion batteries*, T.E. Rosser, E.J.F. Dickinson, R. Raccichini, K. Hunter, A.D. Searle, C.M. Kavanagh, P.J. Curran, G. Hinds, J. Park, A.J. Wain, J. Electrochem. Soc. 168, 070541 (2021)
- [89] *Open-circuit dissolution of platinum from the cathode in polymer electrolyte membrane water electrolyzers*, J. Dodwell, M. Maier, J. Majasan, R. Jervis, L. Castanheira, P. Shearing, G. Hinds, D.J.L. Brett, J. Power Sources 498, 229937 (2021)
- [88] *Prevention of lithium-ion battery thermal runaway using polymer-substrate current collectors*, M.T.M. Pham, J.J. Darst, W.Q. Walker, T.M.M. Heenan, D. Patel, F. Iacoviello, A. Rack, M.P. Olbinado, G. Hinds, D.J.L. Brett, E. Darcy, D.P. Finegan, P.R. Shearing, Cell Reports Physical Science 100360 (2021)
- [87] *Acoustic time-of-flight imaging of polymer electrolyte membrane water electrolyzers to probe internal structure and flow characteristics*, M. Maier, R.E. Owen, M.T.M. Pham, J. Dodwell, J. Majasan, J.B. Robinson, G. Hinds, P.R. Shearing, D.J.L. Brett, Int. J. Hydrogen Energy 46, 11523 (2021)
- [86] *Influence of H₂S on the pitting corrosion of 316L stainless steel in oilfield brine*, J. Hesketh, E.J.F. Dickinson, M.L. Martin, G. Hinds, A. Turnbull, Corros. Sci. 182, 109265 (2021)
- [85] *Acoustic emission analysis of polymer electrolyte membrane fuel cells*, V.S. Bethapudi, G. Hinds, P.R. Shearing, D.J.L. Brett, M.-O. Coppens, ECS Trans. 98, 177 (2020)
- [84] *Microstructural evolution of battery electrodes during calendaring*, X. Lu, S.R. Daemi, A. Bertei, M.D.R. Kok, K.B. O'Regan, L. Rasha, J. Park, G. Hinds, E. Kendrick, D.J.L. Brett, P.R. Shearing, Joule 4, 2746 (2020)

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CURRICULUM VITAE (Continued)

- [83] *Diagnosing stagnant gas bubbles in a polymer electrolyte membrane water electrolyser using acoustic emission*, M. Maier, Q. Meyer, J. Majasan, R.E. Owen, J.B. Robinson, J. Dodwell, Y. Wu, L. Castanheira, G. Hinds, P.R. Shearing, D.J.L. Brett, *Front. Energy Res.* 8, 268 (2020)
- [82] *Operando characterisation of the impact of carbon monoxide on PEMFC performance using isotopic labelling and gas analysis*, H. Becker, T. Bacquart, M. Perkins, N. Moore, J. Ihonen, G. Hinds, G. Smith, J. Power Sources Advances 6, 100036 (2020)
- [81] *Identifying defects in Li-ion cells using ultrasound acoustic measurements*, J.B. Robinson, R.E. Owen, M.D.R. Kok, M. Maier, J. Majasan, M. Braglia, R. Stocker, T. Amietszajew, A.J. Roberts, R. Bhagat, D. Billsson, J.Z. Olson, J. Park, G. Hinds, A.A. Tidblad, D.J.L. Brett, P.R. Shearing, *J. Electrochem. Soc.* 167, 120530 (2020)
- [80] *Application of electrochemical impedance spectroscopy to commercial Li-ion cells: A review*, N. Meddings, M. Heinrich, F. Overney, J.-S. Lee, V. Ruiz, E. Napolitano, S. Seitz, G. Hinds, R. Raccichini, M. Gaberšček, J. Park, *J. Power Sources* 480, 228742 (2020)
- [79] *Correlative acoustic time-of-flight spectroscopy and X-ray imaging to investigate gas-induced delamination in lithium-ion pouch cells during thermal runaway*, M.T.M. Pham, J.J. Darst, D.P. Finegan, J.B. Robinson, T.M.M. Heenan, M.D.R. Kok, F. Iacoviello, R. Owen, W.Q. Walker, O.V. Magdysyuk, T. Connolley, E. Darcy, G. Hinds, D.J.L. Brett, P.R. Shearing, *J. Power Sources*, 228039 (2020)
- [78] *Hydration state diagnosis in fractal flow-field based polymer electrolyte membrane fuel cells using acoustic emission analysis*, V.S. Bethapudi, J. Hack, P. Trogadas, G. Hinds, P.R. Shearing, D.J.L. Brett, M.-O. Coppens, *Energy Conversion and Management* 220, 113083 (2020)
- [77] *3D microstructure design of lithium-ion battery electrodes assisted by X-ray nano-computed tomography and modelling*, X. Lu, A. Bertei, D.P. Finegan, C. Tan, S.R. Daemi, J.S. Weaving, K.B. O'Regan, T.M.M. Heenan, G. Hinds, E. Kendrick, D.J.L. Brett, P.R. Shearing, *Nat. Commun.* 11, 1-13 (2020)
- [76] *Mass transport in polymer electrolyte membrane water electrolyser liquid-gas diffusion layers: A combined neutron imaging and X-ray computed tomography study*, M. Maier, J. Dodwell, R. Ziesche, C. Tan, T. Heenan, J. Majasan, N. Kardjilov, H. Markotter, I. Manke, L. Castanheira, G. Hinds, P.R. Shearing, D.J.L. Brett, *J. Power Sources* 455, 227968 (2020)
- [75] *Local measurement of current collector potential in a polymer electrolyte membrane water electrolyser*, H. Becker, L. Castanheira, G. Hinds, *J. Power Sources* 448, 227563 (2020)
- [74] *Acoustic emission as a function of polarisation: Diagnosis of polymer electrolyte fuel cell hydration state*, V.S. Bethapudi, M. Maier, G. Hinds, P.R. Shearing, D.J.L. Brett, M.-O. Coppens, *Electrochem. Commun.* 109, 106582 (2019)
- [73] *A lung-inspired printed circuit board polymer electrolyte fuel cell*, V.S. Bethapudi, J. Hack, P. Trogadas, J.I.S. Cho, L. Rash, G. Hinds, P.R. Shearing, D.J.L. Brett, M.-O. Coppens, *Energy Conversion and Management* 202, 112198 (2019)

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CURRICULUM VITAE (Continued)

- [72] *In situ monitoring of lithium-ion battery degradation using an electrochemical model*, C. Lyu, Y. Song, J. Zheng, W. Luo, G. Hinds, J. Li, L. Wang, *Applied Energy* 250, 685-696 (2019)
- [71] *Operando flow regime diagnosis using acoustic emission in a polymer electrolyte membrane water electrolyser*, M. Maier, Q. Meyer, J. Majasan, C. Tan, I. Dedigama, J. Robinson, J. Dodwell, Y. Wu, L. Castanheira, G. Hinds, P.R. Shearing, D.J.L. Brett, *J. Power Sources* 424, 138-149 (2019)
- [70] *The Butler-Volmer Equation for Polymer Electrolyte Membrane Fuel Cell (PEMFC) electrode kinetics: a critical discussion*, E.J.F Dickinson, G. Hinds, *J. Electrochem. Soc.* 166, F221-F231 (2019)
- [69] *Sour testing of 316L stainless steel: Comparison of four-point bend and uniaxial tensile test methods*, J. Hesketh, A. Turnbull, G. Hinds, *Corrosion* 75, 779-789 (2019)
- [68] *Influence of microporous layer on corrosion of metallic bipolar plates in fuel cells*, L. Castanheira, M. Bedouet, A. Kucernak, G. Hinds, *J. Power Sources* 418, 147-151 (2019)
- [67] *Critical review of the use of reference electrodes in Li-ion batteries: a diagnostic perspective*, R. Raccichini, M. Amores, G. Hinds, *Batteries* 5, 12 (2019)
- [66] *In operando measurement of localised cathode potential to mitigate DMFC temporary degradation*, C. Rabissi, E. Brightman, G. Hinds, A. Casalegno, *Int. J. Hydrogen Energy* 43, 9797-9802 (2018)
- [65] *Localised electrochemical impedance measurements of a polymer electrolyte fuel cell using a reference electrode array to give cathode-specific measurements and examine membrane hydration dynamics*, E. Engebretsen, G. Hinds, Q. Meyer, T. Mason, E. Brightman, L. Castanheira, P.R. Shearing, D.J.L. Brett, *J. Power Sources* 382, 38-44 (2018)
- [64] *Effect of pigging damage on sulphide stress corrosion cracking of 316L stainless steel cladding*, J. Hesketh, G. Hinds, R. Morana, *Corrosion* 74, 487-495 (2018)
- [63] *Identifying the cause of rupture of lithium-ion batteries via ultra-high-speed X-ray imaging*, D.P. Finegan, E. Darcy, M. Keyser, B. Tjaden, T. Heenan, R. Jervis, J. Bailey, R. Malik, N. Vo, O. Magdysyuk, M. Drakopoulos, M. DiMichiel, A. Rack, G. Hinds, D.J.L. Brett, P.R. Shearing, *Adv. Sci.* 5, 1700369 (2018)
- [62] *In situ diagnostics for polymer electrolyte membrane fuel cells*, G. Hinds, *Current Opinion in Electrochemistry* 5, 11-19 (2018)
- [61] *Tracking internal temperature and structural dynamics during nail penetration of lithium-ion cells*, D.P. Finegan, B. Tjaden, T. Heenan, R. Jervis, M. Di Michiel, A. Rack, G. Hinds, D.J.L. Brett, P.R. Shearing, *J. Electrochem. Soc.* 164, A1-A7 (2017)

Prof. GARETH HINDS FNACE FICorr FIMMM FREng

CURRICULUM VITAE (Continued)

- [60] *Characterising thermal runaway by inducing and monitoring internal short circuits within lithium-ion cells*, D.P. Finegan, E. Darcy, M. Keyser, B. Tjaden, T. Heenan, R. Jervis, J. Bailey, R. Malik, N. Vo, O. Magdysyuk, R. Atwood, M. Drakopoulos, M. DiMichiel, A. Rack, G. Hinds, D.J.L. Brett, P.R. Shearing, *Energy and Environmental Science* 10, 1287–1542 (2017)
- [59] *Degradation study by start-up/shut-down cycling of superhydrophobic electrosprayed catalyst layers using a localized reference electrode technique*, P. Ferreira-Aparicio, A.M. Chaparro, M.A. Folgado, J.J. Conde, E. Brightman, G. Hinds, *ACS Applied Materials & Interfaces* 9, 10626-10636 (2017)
- [58] *Electrochemical pressure impedance spectroscopy applied to the study of polymer electrolyte fuel cells*, E. Engebretsen, T.J. Mason, P.R. Shearing, G. Hinds, D.J.L. Brett, *Electrochem. Commun.* 75, 60-63 (2017)
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- [56] *Characterising the structural properties of battery polymer separators in 3D using phase contrast X-ray tomography*, D.P. Finegan, B. Tjaden, O.O. Taiwo, S.J. Cooper, J. Gelb, G. Hinds, D.J.L. Brett, P.R. Shearing, *J. Power Sources* 333, 184-192 (2016)
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- [52] *On the actual mixed potential in Direct Methanol Fuel Cells*, M. Zago, A. Bisello, A. Baricci, C. Rabissi, E. Brightman, G. Hinds, A. Casalegno, *J. Power Sources* 325, 714-722 (2016)
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Prof. GARETH HINDS FNACE FICorr FIMMM FEng

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- [93] *NPL contribution to FutureCat: standard protocols*, Faraday Institution Conference, November 2021 (invited)
- [92] *Reducing the cost of green hydrogen production*, Road to COP26: the role of fuel cells in net-zero transport emissions, online, October 2021 (invited)
- [91] *Battery technologies for the future*, Measurement for our Planet seminar, online, September 2021 (invited)
- [90] *Decarbonisation of transport: where do batteries and hydrogen fit in?*, DfT seminar, Department for Transport, May 2021 (invited)
- [89] *Measurement challenges for hydrogen infrastructure*, University of Manchester seminar, online, April 2021 (invited)
- [88] *A combined in situ diagnostic and modelling approach to cost reduction in PEM water electrolyzers*, Henry Royce Institute Conference 2021, online, March 2021 (invited).
- [87] *Metrology challenges for hydrogen infrastructure*, H2FC Innovation Workshop, online, February 2021 (invited)
- [86] *Optimisation of electrochemical devices via in situ measurement and modelling*, FunMat-II Seminar, University of Linköping, online, December 2020 (keynote)
- [85] *Metrology and standards for battery research*, Faraday Institution Conference, online, November 2020 (keynote)
- [84] *A step change in the cost of PEM water electrolyzers?*, MRS Spring/Fall Meeting, online, November 2020 (keynote)
- [83] *Impact of H₂S on localised corrosion of 316L stainless steel in oilfield environments*, Eurocorr 20, online, September 2020
- [82] *Decarbonisation of transport: where do batteries and hydrogen fit in?*, Technical Policy Division seminar, Ministry of Housing, Communities and Local Government, online, July 2020 (invited)
- [81] *Electrochemistry: an underpinning science with important practical applications*, STFC Batteries Webinar, online, June 2020 (invited)
- [80] *Cost reduction of water electrolyzers via insights into anode current collector corrosion*, World Corrosion Organisation Seminar, online, April 2020 (invited)
- [79] *A step change in the cost of PEM water electrolyzers?*, Regional Workshop on Green and Low Carbon Hydrogen Energy, Tokyo, online, March 2020 (invited)

Prof. GARETH HINDS FNACE FICorr FIMMM FEng

CURRICULUM VITAE (Continued)

- [78] *Decarbonisation of transport: where do batteries and hydrogen fit in?*, GSE Professional Learning & Development seminar, Department for Transport, March 2020 (invited)
- [77] *Local corrosion potential measurement at PEMWE current collectors*, ITM Power seminar, Sheffield, November 2019 (invited)
- [76] *How can the Institute of Corrosion adapt to thrive in a rapidly changing world?*, ICorr Aberdeen Branch talk, Aberdeen, October 2019 (invited)
- [75] *Model-based optimisation of three-electrode impedance measurements on Li-ion cells*, Electrical Engineering & Automation Seminar, Harbin Institute of Technology, October 2019 (invited)
- [74] *In situ and operando diagnostic techniques for assessment of Li-ion batteries*, Electrical Engineering & Automation Seminar, Harbin Institute of Technology, October 2019 (invited)
- [73] *Corrosion in fuel cells and electrolyzers*, International Conference on Corrosion Protection and Application 2019, Chongqing, China, October 2019 (keynote)
- [72] *A step change in the cost of PEM water electrolyzers?*, STFC Annual Conference, Abingdon, July 2019 (invited)
- [71] *How can the Institute of Corrosion adapt to thrive in a rapidly changing world?*, ICorr Midlands Branch talk, Birmingham, May 2019 (invited)
- [70] *The death of the internal combustion engine: what comes next?*, Science Discovery Group talk, Havant, May 2019 (invited)
- [69] *Operando measurement of local current collector potential in PEM fuel cells and electrolyzers*, STFC Early Career Researcher Forum, Abingdon, March 2019 (plenary)
- [68] *How can the Institute of Corrosion adapt to thrive in a rapidly changing world?*, ICorr London Branch talk, London, March 2019 (invited)
- [67] *The death of the internal combustion engine: what comes next?*, Long Range Research Lecture Series, Shell Global Solutions, Amsterdam, March 2019 (invited)
- [66] *The death of the internal combustion engine: what comes next?*, MMN talk, NPL North, Huddersfield, January 2019 (invited)
- [65] *Metrology for high energy density batteries: supporting the Faraday Challenge*, Blue Scientific Battery Workshop, UCL, November 2018 (invited)
- [64] *Understanding thermal runaway in Li-ion batteries*, Portsmouth and District Physical Society Lecture, Portsmouth, November 2018 (invited)

Prof. GARETH HINDS FNACE FICorr FIMMM FEng

CURRICULUM VITAE (Continued)

[63] *The death of the internal combustion engine: what comes next?*, IET Lecture, Teddington, October 2018 (invited)

[62] *Influence of microporous layer on corrosion of PEMFC metallic bipolar plates*, Advanced Energy Materials 2018, University of Surrey, September 2018 (keynote)

[61] *In situ accelerated stress testing of electrolyzers*, Chemical Engineering Seminar, UCL, May 2018 (invited)

[60] *New insights into corrosion of metallic bipolar plates in polymer electrolyte membrane fuel cells*, Corrosion 18, Phoenix, USA, April 2018 (invited)

[59] *In situ diagnostics for PEM fuel cells and electrolyzers*, NIST, Gaithersburg, USA, April 2018 (invited)

[58] *What will drive our cars when the combustion engine dies?*, The Register Lecture Series, London, January 2018 (invited)

[57] *The materials challenge of fuel cells*, Birmingham Metallurgy Association, Birmingham, November 2017 (invited)

[56] *Experimental validation of pH models for oil and gas applications*, Eurocorr 17, Prague, September 2017

[55] *In situ diagnostics for PEM fuel cells and electrolyzers*, International Graduate School of Metrology, Kloster Drübeck, Germany, August 2017 (invited)

[54] *In situ diagnostics for PEM fuel cells and electrolyzers*, STFC Annual Meeting, Abingdon, May 2017 (invited)

[53] *In situ diagnostics for fuel cells and batteries*, Electrical Engineering & Automation Seminar, Harbin Institute of Technology, April 2017 (invited)

[52] *Role of H₂S in localized corrosion and cracking of CRAs in upstream oil and gas applications*, Corrosion 17, New Orleans, USA, March 2017

[51] *Decarbonising the UK – how can electrochemistry help?*, Physics Seminar, University of Sussex, March 2017 (invited)

[50] *Novel approach to validation of thermodynamic models for the chemistry of oilfield environments*, Eurocorr 16, Montpellier, September 2016

[49] *In situ study of metallic bipolar plate corrosion during PEMFC operation*, FCH2 Conference 2016, Birmingham, May 2016 (invited)

Prof. GARETH HINDS FNACE FICorr FIMMM FREng

CURRICULUM VITAE (Continued)

- [48] *Fuel cells and hydrogen – moving towards a low carbon economy*, Winton Seminar, Cambridge, April 2016 (invited)
- [47] *Study of fuel cell and electrolyser catalyst degradation using a novel reference electrode technique*, EMN 2016, Dubai, April 2016 (invited)
- [46] *Corrosion and environment induced cracking*, Chemical Engineering Seminar, University of Strathclyde, March 2016 (invited)
- [45] *Influence of surface condition on environment assisted cracking of corrosion resistant alloys*, Corrosion 16, Vancouver, Canada, March 2016 (invited)
- [44] *Fuel cell reference electrode development at NPL*, Electrochemistry Seminar, Paul Scherrer Institute, Villigen, Switzerland, February 2016 (invited)
- [43] *Underdeposit corrosion in oil and gas applications*, MEPIPES 2015, Manama, Bahrain, October 2015 (invited)
- [42] *Catalyst degradation in PEM fuel cells and electrolyzers*, 3rd International Workshop on Degradation Issues of Fuel Cells and Electrolysers, Santorini, Greece, September 2015 (invited)
- [41] *Corrosion resistance of metallic PEMFC bipolar plates: towards a more representative test method*, 3rd International Workshop on Degradation Issues of Fuel Cells and Electrolysers, Santorini, Greece, September 2015 (invited)
- [40] *Underdeposit corrosion in oil pipelines*, Knowledge Transfer Corrosion Matters Workshop, London, June 2015 (invited)
- [39] *Influence of weld preparation procedure and heat tinting on SSC of duplex stainless steel*, Fitness for service - Plant life extension, Corrosion Monitoring, NDT, Institut de Soudure, Paris, May 2015 (invited)
- [38] *Corrosion of metallic bipolar plates for PEMFCs: towards a more representative test method*, International Workshop on Bipolar Plates for PEM Technology, Sattledt, Austria, May 2015 (invited)
- [37] *In situ diagnostics for PEM fuel cells and electrolyzers*, FCH2 Conference 2015, Birmingham, May 2015 (invited)
- [36] *Electrochemical techniques for materials selection in aggressive environments*, SCC Workshop, University of Manchester, April 2015 (invited)
- [35] *Novel approach to validation of thermodynamic models for the chemistry of oilfield environments*, Corrosion 15, Dallas, Texas, March 2015
- [34] *Influence of weld preparation procedure and heat tinting on SSC of duplex stainless steel*, Corrosion 15, Dallas, Texas, March 2015

Prof. GARETH HINDS FNACE FICorr FIMMM FEng

CURRICULUM VITAE (Continued)

- [33] *Fuel cell metrology – supporting the transition to a low carbon economy*, Chemical Engineering Seminar, University of Surrey, December 2014 (invited)
- [32] *Underdeposit corrosion in oil and gas applications*, Gordon Conference (Corrosion), New London, New Hampshire, July 2014 (invited)
- [31] *Towards a more representative corrosion test method for metallic PEFC bipolar plates*, 3rd H2FC Technical School, Rethymnon, Crete, June 2014
- [30] *Investigation of PEMFC start-up/shut-down degradation using reference electrode array*, H2FC Materials Workshop, San Sebastian, Spain, March 2014 (invited)
- [29] *In situ mapping of electrode potential in a PEMFC*, 224th Electrochemical Society Meeting, San Francisco, October 2013 (invited)
- [28] *Novel developments in the characterisation of localised corrosion of CRAs in oil and gas environments*, ICorr/LMS meeting, Naval Club, Mayfair, October 2013 (invited)
- [27] *Novel developments in the characterisation of localised corrosion of CRA s in oil and gas environments*, Eurocorr 13, Estoril, September 2013
- [26] *Issues in qualification testing of corrosion resistant alloys for oil and gas applications*, Corrosion UAE 2013, Abu Dhabi, United Arab Emirates, February 2013 (invited)
- [25] *Understanding the early stages of damage development in corrosion resistant alloys*, MEPIPES 2013, Abu Dhabi, United Arab Emirates, February 2013 (invited)
- [24] *Fuel cell metrology at NPL*, Energy Storage Systems Workshop, Berlin, December 2012 (plenary)
- [23] *Strengthening the link between laboratory testing and material performance in service*, Oil & Gas Pipes 2012, London, November 2012 (invited)
- [22] *In situ mapping of electrode potential in a PEMFC using a novel reference electrode*, Fuel Cell Advances, Berlin, April 2012
- [21] *Evaluation of inhibitors for underdeposit corrosion using a novel multi-electrode test method*, MEPIPES 2011, Abu Dhabi, United Arab Emirates, May 2011 (invited)
- [20] *Fuel cell modelling and model validation via in situ measurement*, Fuel Cells Science & Technology 2010, Zaragoza, Spain, October 2010 (keynote)
- [19] *Corrosion monitoring in the oil and gas industry*, CED Workshop, Warrington, April 2010 (invited)
- [18] *Fuel cells: measurement and standardisation needs*, Measurement Needs for Emerging Materials and Technologies, VAMAS, New Delhi, March 2010 (invited)

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CURRICULUM VITAE (Continued)

- [17] *Testing of inhibitors for underdeposit corrosion in sour conditions*, Eurocorr 09, Nice, September 2009
- [16] *Fuel cells: moving towards a low carbon economy*, Frontiers of Nanotechnology, Zakopane, Poland, July 2009 (invited)
- [15] *A multi-electrode approach to evaluating inhibition of underdeposit corrosion in CO₂ environments*, Corrosion 09, Atlanta, Georgia, March 2009
- [14] *Novel in-situ measurements of relative humidity in a PEMFC*, Fuel Cell Advances, Copenhagen, October 2008
- [13] *Underdeposit test method for assessing performance of corrosion inhibitors*, Eurocorr 08, Edinburgh, September 200
- [12] *Novel in-situ measurements of relative humidity in a PEMFC*, Gordon Conference (Fuel Cells), Smithfield, Rhode Island, July 2008
- [11] *Stress corrosion cracking of duplex stainless steel under evaporative seawater conditions*, UK Corrosion, Sheffield, September 2007
- [10] *Testing of supermartensitic stainless steel welds under cathodic protection at very low strain rates*, 47th Corrosion Science Symposium, Edinburgh, September 2006
- [9] *Corrosion resistant alloys: laboratory testing vs service performance*, Advanced Corrosion and Scale Management in Oil & Gas, Aberdeen, July 2006 (invited)
- [8] *How best to test corrosion resistant alloys for resistance to hydrogen embrittlement under cathodic protection*, Marine Corrosion Forum, Edinburgh, June 2006 (invited)
- [7] *Hydrogen embrittlement of welded supermartensitic stainless steel under cathodic protection*, 46th Corrosion Science Symposium, Manchester, September 2005
- [6] *In-situ measurement of crack-tip potential in a steam turbine disc steel*, 44th Corrosion Science Symposium, Southampton, September 2003
- [5] *Magnetic field effect on the open circuit potential of ferromagnetic electrodes*, Electrochem 2002, Preston, September 2002
- [4] *Magnetic field effect on the rest potential of ferromagnetic electrodes*, Intermag 2002, Amsterdam, April 2002
- [3] *Magnetic field effects on copper electrolysis*, Workshop on Magnetism and Electrochemistry, Renvyle House, Ireland, May 2001

Prof. GARETH HINDS FNACE FICorr FIMMM FREng

CURRICULUM VITAE (Continued)

[2] *Magnetic field effects on the electrodeposition and electrodisolution of copper*, Electrochem 2000, Dublin City University, September 2000

[1] *Magnetoelectrolysis of copper*, Eirelec '98, Dublin, May 1998

C-Cube international bv, Delft, The Netherlands: Application to join EFC as Affiliate Member

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C-Cube International bv
Ir Guus Coolegem
Director
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Your letter of

Ihr Zeichen
Your Reference

Unser Zeichen
Our Reference

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E-mail

Datum
Date

EFC/AF/IHO

I. Honndorf

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ines.honndorf@dechema.de

14.12.2021

Affiliate Membership of the European Federation of Corrosion

Dear Mr. Coolegem

We are pleased to inform you that the General Assembly of the European Federation of Corrosion (EFC) approved, on recommendation of the Board of Administrators, to welcome **C-Cube International bv** as an Affiliate Member of the EFC.

Enclosed please find the currently applicable EFC Statutes and Bye-Laws and the EFC Newsletter 2021.

You are kindly invited to visit the EFC website at www.efcweb.org. The EFC Member Societies and Affiliate Members are listed under "Members". Furthermore, we kindly invite you to send your company's logo to the EFC Frankfurt office (ines.honndorf@dechema.de) for inclusion on the Affiliate Members' web page.

As an Affiliate Member of the Federation you have access to the restricted EFC web page which contains the electronic proceedings of past EUROCORR conferences. The log-in to this area is:

http://eurocorr.org/proceedings_search-username-eurocorrproc-password-EFC2010-doauth-login.

Please note that this restricted area should be accessible to you personally and to the employees of the Affiliate Member, only. You are kindly requested to place this link in the restricted area for your company's employees.

As you are no doubt aware, EFC collects an annual membership contribution. You will receive an invoice for your EFC Affiliate Membership dues from the EFC UK office in London directly.

Our colleagues at the Paris office of the Federation's General Secretariat will invite you to the next meeting of the General Assembly which is scheduled to take place in Berlin, Germany, in September 2022 in conjunction with EUROCORR 2022.

If you have any questions please do not hesitate to contact one of the offices of the General Secretariat in London, Paris and Frankfurt. We shall be pleased to assist you.

We look forward to a fruitful cooperation and remain,

Yours sincerely,

European Federation of Corrosion
Frankfurt office of the General Secretariat

A handwritten signature in blue ink, appearing to read 'A. Förster', is written over the printed name.

Dr. Andreas Förster

A handwritten signature in blue ink, appearing to read 'I. Honndorf', is written over the printed name.

I. Honndorf

Offices of the General Secretariat

Frankfurt Office c/o DECHEMA e.V., Theodor-Heuss-Allee 25, 60486 Frankfurt am Main, Germany

London Office c/o The Institute of Materials, Minerals and Mining (IOM3), 7 Euston Road, London NW1 3AQ, United Kingdom

Paris Office c/o CEFRACOR, 28 rue Saint-Dominique, 75007 Paris, France

Registered Office: European Federation of Corrosion, Avenue des Arts 56, 4C, 1000 Brussels, Belgium

C-Cube international bv, Delft, The Netherlands: Application to join EFC as Affiliate Member (Continued)



EFC AFFILIATE MEMBERSHIP APPLICATION

The principal objective of the EFC is to contribute to the general advancement of the science of corrosion and the protection of materials by promoting cooperation in Europe between scientific and technical societies and organisations and by collaboration with similar scientific and technical societies and organisations throughout the world. Subject to the approval of the EFC Board of Administrators and the EFC General Assembly, **Affiliate Membership** of the EFC is available to organisations that support the above objective, in the following categories:

- 1) **Companies**
- 2) **Universities and Research Organisations**

EFC Affiliate Members qualify for a number of important benefits, which include the following:

- Participation in **EFC Working Parties** as of right; appointment of delegates; access to the Working Parties' restricted area;
- Reduced registration fee of the Affiliate's employees at annual **EUROCORR conferences**;
- Discounts on exhibitor booth at the annual EUROCORR conference;
- Organisation of events and courses with the EFC endorsement and logo;
- Discounted prices for **EFC publications**;
- Access to the **restricted area** containing the electronic proceedings of past EUROCORR conferences;
- Participation in the **EFC General Assembly** (without voting rights);
- Listing of the Affiliate Member's corrosion-related events on the EFC website and in the EFC Newsletter and publication of promotional write-ups of their corrosion-related events and activities in the EFC Newsletter.

The 2021 membership fee is EUR 1,550 + VAT for companies and EUR 1,030 + VAT for universities/research organisations. If you would like to apply to join the EFC as an Affiliate Member, please complete the form and submit it to one of the three offices of the EFC General Secretariat given below.

Note on Data Processing: All details on the processing of your data can be found in EFC's privacy policy. You can find it on the Internet using the URL: <http://www.efcweb.org/privacy.html>. I have also been informed on my right to object to the use of my data at any time.

Category (please tick):

Company:



University/Research Organisation:



Name of organisation: C-Cube international bv.

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Tel: +31157440138

Fax:

E-mail: info@ccube.nl

Website:

c-cube-international.com

Organisation's representative: G.Coolegem

Address (if different from organisation's address):

Tel: +31615623390

Fax:

E-mail: gc@ccube.nl

Signature:



Digitaal ondertekend door
gcoolegem
Datum: 2021.09.28 16:12:24
+02'00'

Application date: 28-09-2021

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Ekinoks Kimya, Istanbul, Turkey: Application to join EFC as Affiliate Member

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Ekinoks Kimya San. Paz. Tic. Ltd. Şti.
Mr. Sezen Açikalin
Milangaz Cd. Monumento A75
Blok D: 125-126
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Turkey

Ihre Nachricht vom
Your letter of

Ihr Zeichen
Your Reference

Unser Zeichen
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Datum 16.02.2022
Date

EFC/AF/IHO

I. Honndorf

-409/-209

Affiliate Membership of the European Federation of Corrosion

Dear Mr. Açikalin

We are pleased to inform you that the General Assembly of the European Federation of Corrosion (EFC) approved, on recommendation of the Board of Administrators, to welcome **Ekinoks Kimya San. Paz. Tic. Ltd. Şti.** as an Affiliate Member of the EFC.

Please find attached the currently applicable EFC Statutes and Bye-Laws and the recent EFC Newsletters.

You are kindly invited to visit the EFC website at www.efcweb.org. The EFC Member Societies and Affiliate Members are listed under "Members". Furthermore, we kindly invite you to send your company's logo to the EFC Frankfurt office (ines.honndorf@dechema.de) for inclusion on the Affiliate Members' web page.

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We look forward to a fruitful cooperation and remain,

Yours sincerely,

European Federation of Corrosion
Frankfurt office of the General Secretariat

Dr. Andreas Förster

I. Honndorf

Offices of the General Secretariat

Frankfurt Office c/o DECHEMA e.V., Theodor-Heuss-Allee 25, 60486 Frankfurt am Main, Germany

London Office c/o The Institute of Materials, Minerals and Mining (IOM3), 7 Euston Road, London NW1 3AQ, United Kingdom

Paris Office c/o CEFRACOR, 28 rue Saint-Dominique, 75007 Paris, France

Registered Office: European Federation of Corrosion, Avenue des Arts 56, 4C, 1000 Brussels, Belgium

Ekinoks Kimya, Istanbul, Turkey: Application to join EFC as Affiliate Member (Continued)**EFC AFFILIATE MEMBERSHIP APPLICATION**

The principal objective of the EFC is to contribute to the general advancement of the science of corrosion and the protection of materials by promoting cooperation in Europe between scientific and technical societies and organisations and by collaboration with similar scientific and technical societies and organisations throughout the world. Subject to the approval of the EFC Board of Administrators and the EFC General Assembly, **Affiliate Membership** of the EFC is available to organisations that support the above objective, in the following categories:

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- 2) **Universities and Research Organisations**

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- Discounts on exhibitor booth at the annual **EUROCORR conference**;
- Organisation of events and courses with the EFC endorsement and logo;
- Discounted prices for EFC **publications**;
- Access to the **restricted area** containing the electronic proceedings of past **EUROCORR conferences**;
- Participation in the **EFC General Assembly** (without voting rights);
- Listing of the Affiliate Member's corrosion-related events on the EFC website and in the EFC Newsletter and publication of promotional write-ups of their corrosion-related events and activities in the EFC Newsletter.

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Category (please tick):	Company: ☒	University/Research Organisation: ☐
Name of organisation: Ekinoks Kimya San. Paz. Tic. Ltd. Şti.		
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E-mail:	info@ekinokskimya.com.tr	Website: www.ekinokskimya.com.tr
Organisation's representative: Sezen Açıklın		
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Application date: 25.10.2021		

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Ekinoks Kimya, Istanbul, Turkey: Application to join EFC as Affiliate Member (Continued)

As Ekinoks Kimya, one of our biggest goals is to become a part of the global market by improving our technology. In order to achieve this, it is an important need to work in integration with the sectors we are in and serve and to follow the technological developments closely. In this regard, we think that this integration will be achieved with the EFC, which serves all the sectors in which we operate in Europe and the Middle East. With the published bulletins, it will be possible to follow scientific and technological developments closely, understand the needs of the sector, find solutions to problems and stay up-to-date in all these areas. We want to take an active role in working groups, work with different sectors, and contribute to both our company and technology by participating in these groups on topics such as coatings, automotive and corrosion within the EFC.

Ekinoks Kimya is the distributor of the American PPG company, the leader of the world paint industry, for surface preparation chemicals in Turkey, the Middle East, Africa and Central Europe.

Our company, which started its own production in 2008, is the Turkish market leader in pre-paint surface preparation chemicals as of 2014. In addition to the Arçelik, Defy and Vestel lines, it also supplies chemicals to Automotive auxiliary industry and general industry companies and flat steel producers such as Tosyali, Arcelor Mittal, Borçelik, Tat Metal, Atakaş. It also produces two-component PU adhesives for white goods top plate manufacturers such as Arçelik and Vestel.

Our company continues to grow in the South African market with Ekinoks SA, which it established in 2014.

Our product groups;

- Alkaline and acidic degreasing chemicals
- Tri cation zinc phosphate coating chemicals
- Manganese phosphate coating chemicals
- Iron phosphate coating chemicals
- Zirconium coating chemicals
- Titanium coating chemicals
- Activation chemicals
- Passivation chemicals
- Surfactants

EKİNOKS KİMYA SAN. PAZ. VE TİC. LTD. ŞTİ.

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Ekinoks Kimya, Istanbul, Turkey: Application to join EFC as Affiliate Member (Continued)

Various studies are carried out to meet the quality expectations of our customers with surface preparation chemicals before painting. In order to prevent all kinds of risks that may arise from the variety of sheet metal used in the industry, sheet quality is examined with surface roughness measurements, SEM-EDS analyzes and XRF general metal analyzes.

After the coatings, the surface morphologies are regularly examined with SEM-EDS and AFM analyzes and presented to our customers as technical reports.

Paint adhesion, paint and coating quality are determined by performing electrochemical analyzes, ASTM B117 salt spray test, ASTM D-2248 detergent resistance test on the painted end products from our customers using our surface treatment chemicals.

Correlation studies are carried out by performing electrochemical analyzes against salt spray tests. Instead of the salt spray test, which is frequently used in the industry and takes a long time, corrosion performance tests are provided with electrochemical analyzes that give results in a shorter time.

Within the scope of the Tübitak Order R&D project, work continues "Development of High Corrosion Resistant Passivation Chemicals for Galvanized Flat Steels" carried out with Borçelik. With the developed products, laboratory-scale coatings are made and corrosion performances are examined with different methods. Within the scope of the project, the corrosion performance tests applied to the test plates were prepared by using the prototype designed to simulate the Borcelik production line as closely as possible to the reality, giving direction to the formulations.

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AkzoNobel, Gateshead, UK: Application to join EFC as Affiliate Member

DECHEMA e.V. • Postfach 150104 • 60061 Frankfurt am Main

AkzoNobel
Mr. Douglas Beaumont
Stoneygate Lane
Felling, Gateshead, NE10 0JY
United Kingdom

Ihre Nachricht vom
Your letter of

Ihr Zeichen
Your Reference

Unser Zeichen
Our Reference

Bearbeiter
Contact

Telefon +49(0)69 7504
Phone

E-Mail
E-mail

Datum
Date

EFC/AF/IHO

I. Honndorf

-409/-209

ines.honndorf@dechema.de

16.02.2022

Affiliate Membership of the European Federation of Corrosion

Dear Mr. Beaumont

We are pleased to inform you that the General Assembly of the European Federation of Corrosion (EFC) approved, on recommendation of the Board of Administrators, to welcome **AkzoNobel** as an Affiliate Member of the EFC.

Please find attached the currently applicable EFC Statutes and Bye-Laws and the recent EFC Newsletters.

You are kindly invited to visit the EFC website at www.efcweb.org. The EFC Member Societies and Affiliate Members are listed under "Members". Furthermore, we kindly invite you to send your company's logo to the EFC Frankfurt office (ines.honndorf@dechema.de) for inclusion on the Affiliate Members' web page.

As an Affiliate Member of the Federation you have access to the restricted EFC web page which contains the electronic proceedings of past EUROCORR conferences. The log-in to this area is:

http://eurocorr.org/proceedings_search-username-eurocorrproc-password-EFC2010-doauth-login.

Please note that this restricted area should be accessible to you personally and to the employees of the Affiliate Member, only. You are kindly requested to place this link in the restricted area for your company's employees.

As you are no doubt aware, EFC collects an annual membership contribution. You will receive an invoice for your EFC Affiliate Membership dues from the EFC UK office in London directly.

Our colleagues at the Paris office of the Federation's General Secretariat will invite you to the next meeting of the General Assembly which is scheduled for June 2022.

If you have any questions please do not hesitate to contact one of the offices of the General Secretariat in London, Paris and Frankfurt. We shall be pleased to assist you.

We look forward to a fruitful cooperation and remain,

Yours sincerely,

European Federation of Corrosion
Frankfurt office of the General Secretariat

A handwritten signature in blue ink, appearing to read 'A. Förster'.

Dr. Andreas Förster

A handwritten signature in blue ink, appearing to read 'I. Honndorf'.

I. Honndorf

Offices of the General Secretariat

Frankfurt Office c/o DECHEMA e.V., Theodor-Heuss-Allee 25, 60486 Frankfurt am Main, Germany

London Office c/o The Institute of Materials, Minerals and Mining (IOM3), 7 Euston Road, London NW1 3AQ, United Kingdom

Paris Office c/o CEFRACOR, 28 rue Saint-Dominique, 75007 Paris, France

Registered Office: European Federation of Corrosion, Avenue des Arts 56, 4C, 1000 Brussels, Belgium

AkzoNobel, Gateshead, UK: Application to join EFC as Affiliate Member (Continued)**EFC AFFILIATE MEMBERSHIP APPLICATION**

The principal objective of the EFC is to contribute to the general advancement of the science of corrosion and the protection of materials by promoting cooperation in Europe between scientific and technical societies and organisations and by collaboration with similar scientific and technical societies and organisations throughout the world. Subject to the approval of the EFC Board of Administrators and the EFC General Assembly, **Affiliate Membership** of the EFC is available to organisations that support the above objective, in the following categories:

- 1) **Companies**
- 2) **Universities and Research Organisations**

EFC Affiliate Members qualify for a number of important benefits, which include the following:

- Participation in **EFC Working Parties** as of right; appointment of delegates; access to the Working Parties' restricted area;
- Reduced registration fee of the Affiliate's employees at annual **EUROCORR conferences**;
- Discounts on exhibitor booth at the annual **EUROCORR conference**;
- Organisation of events and courses with the EFC endorsement and logo;
- Discounted prices for **EFC publications**;
- Access to the **restricted area** containing the electronic proceedings of past **EUROCORR conferences**;
- Participation in the **EFC General Assembly** (without voting rights);
- Listing of the Affiliate Member's corrosion-related events on the EFC website and in the EFC Newsletter and publication of promotional write-ups of their corrosion-related events and activities in the EFC Newsletter.

The 2021 membership fee is EUR 1,550 + VAT for companies and EUR 1,030 + VAT for universities/research organisations. If you would like to apply to join the EFC as an Affiliate Member, please complete the form and submit it to one of the three offices of the EFC General Secretariat given below.

Note on Data Processing: All details on the processing of your data can be found in EFC's privacy policy. You can find it on the Internet using the URL: <http://www.efcweb.org/privacy.html>. I have also been informed on my right to object to the use of my data at any time.

Category (please tick):

Company:



University/Research Organisation:



Name of organisation: AkzoNobel

Address: Stoneygate Lane, Felling, Gateshead, NE10 0JY, United Kingdom

Tel: 0191 4022799

Fax:

E-mail: douglas.beaumont@akzonobel.com

Website:

<http://www.akzonobel.com/en/countries/akzonobel-uk-ireland>

Organisation's representative: Doug Beaumont

Address (if different from organisation's address):

Tel:

Fax:

E-mail:

Signature:

Application date: 1st January 2022

London Office:
Institute of Materials, Minerals & Mining
297 Euston Road
London SW1Y 5DB, United Kingdom
Tel: +44 20 7451 7365
Fax: +44 20 7839 1702
E-mail: julija.bugajeva@iom3.org

Paris Office:
CEFRACOR
28, rue Saint-Dominique
75007 Paris, France
Tel: +33 1 4062 2776
Fax: +33 1 4555 4033
E-mail: p.bridou-buffet@maisondelachimie.com

Frankfurt Office:
DECHEMA e.V.
Theodor-Heuss-Allee 25
60486 Frankfurt (Main), Germany
Tel: +49 69 7564 209
Fax: +49 69 7564 418
E-mail: ines.honndorf@dechema.de

Tasks and Deadlines of Belgian Matters to follow the Belgian law



BELGIAN MATTERS

M. Olivier – 29th of September 2021

Tasks and deadlines

Publication to the Moniteur Belge : **Modification of the statutes, BoA members, registered office**

UBO Registration : **Modification of the BoA members and day-to-day management delegates after publication to the Moniteur Belge**

Belgian Bank account : **payments – approval with two signatures (now J. Bugajeva and M. Olivier)**

Annual account approval : **GA (deadline 30th of June) + sending accounts to the commercial court (Tribunal du commerce) – Max. 30 days after the GA (end of July)**

Taxation (VAT) – **BIZTAX – (Deadline 28/10/2021)**

VAT declaration via Intervat quarterly



Belgian Matters: EFC Paris Office Tasks

Belgian Matters



The EFC Paris office (CEFRACOR) is now in charge of the Belgian matters

The tasks (for Mariana Berthet at CEFRACOR) include :

- Publications in the Moniteur Belge
- Update of the database Crossroad Bank for Enterprises
- Exchanges with the law firm in Corpoconsult in Belgium
- Translation of documents





Guideline for granting the EFC's financial support for WP activities

Please note that usually a total budget of 4000.- € per year is reserved for the financial support of WP activities. This budget item will be approved by the BoA and the STAC decides on the support of applications submitted by the WPs.

Prerequisites for support:

- The activity has to be (co-)organized directly by the EFC WP who is requesting the support.
- If the requested support is targeted for an event, this event must be registered as an EFC event (with EFC event number).
- WP meetings (other than the fall business meetings during the EUROCORRs) are also eligible for support, if they are not in conflict with any other official EFC events.
- No alternative funding sources are available to cover the costs.
- The corresponding WP chair commits to increase the visibility of the EFC support by promoting the activity via suitable channels (e.g., on the EFC LinkedIn site, EFC website, other social media, etc.); contact: socialmedia@efcweb.org:
 - Before the action: flyer advertising the initiative.
 - After the action: summary of the initiative with some graphical material (e.g., photo).
- Preferably, invoices should be paid directly by the EFC.

In exceptional cases, also PhD student grants for facilitating attendance may be funded. Some rules for the selection procedure, if some kind of a grant is involved, need to be followed:

- Selection of the PhD students (to be conducted by the WP(s)) based on the following submissions:
 - Short CV,
 - motivation letter,
 - PhD title and start/end of the thesis,
 - commitment to increase visibility of the action through social media (e.g., interview and short video).
- The financial support may cover the recipient's event registration fee and allowance in special cases.

In case of conflict due to a high number of requests by several WPs:

- The maximum funding per year and WP depends on the demand and the granted support may be reduced not to exceed the available funding.
- Priority will be given to WPs which did not receive financial support during the past three years (the support should be rotated among the WPs).
- New types of WP activities should primarily be supported.
- A joint activity of several WPs should also be given priority.

Financial support is generally excluded for the following activities:

- Covering travel costs or registration fees for lecturers at EUROCORRs invited by WPs.

REPORT OF THE SCIENTIFIC SECRETARY TO THE BOARD OF ADMINISTRATORS
(September 2021 - February 2022)

In the middle of last year, I drafted a contract that regulates the EFC's cooperation with its member societies in organising continuing education events of English-language events. This can open up another opportunity for the EFC to generate income. The contract was approved by the EFC President, Vice President and Past President. The first two events of this kind should be held by the EFC and GfKORR in November 2021. The promotion of these events was done through the EFC mailing list by e-mail. In return, the EFC will receive 10% of the participants' fees. An event on the corrosion resistance of high-alloy nickel-based alloys was cancelled due to the low number of participants. Another event on the corrosion behaviour of aluminium and aluminium alloys at the end of November 2021 was held with about 65 participants. Due to the promotion by the EFC, only one participant could be attracted. Nevertheless, the EFC received 10 % of the participant fees collected. In this form, the advertising and hosting of events by member societies of the EFC and the EFC itself is unattractive for members. Here, a new form of promoting events needs to be considered, as it is still a good way to generate income for the EFC.

During the meeting of the STAC on 28 September 2021, I took the minutes. Due to the virtual EUROCORR, it was decided to integrate the programme meeting on the possible scientific topics to be offered at EUROCORR 2022 in Berlin into this meeting. I compiled these with the EUROCORR Congress offices and used them for the Call for Papers after renewed consultation with all participating working party chairs and the designated leaders of the Joint Sessions. The second deadline was 28 January 2022, after which I drafted the first draft of the programme of papers received for EUROCORR 2022. After the approval within the organising committee, this was sent to all participating chairmen at the beginning of February. By the end of January, about 700 submissions had been received by the EUROCORR Congress Office.

In spring 2021, work began on an EFC and WCO white paper. The contributions received were collected and compiled by me and made available to the whole working group via the EFC HUB. Unfortunately, it turned out in the course of the year that this new tool is not well suitable for the joint editing of a paper. Therefore, I asked in January to change this to a new solution where each member can work on the document at the same time. The editing was completed in this way at the beginning of February.

Various options were discussed on how best to present the white paper to the general public. For this purpose, I contacted our official partner journals. The following journals agreed to publish the paper: "Materials and Corrosion", "Corrosion Engineering, Science and Technology (CST)", "Matériaux et Techniques", "Ochrona przed Korozją" (Corrosion Protection), "Koroze a ochrona materiálu" (Corrosion and Material Protection).

Within the PAC, it was discussed whether it is really possible to publish the complete content of the white paper in all five journals with regard to copyright or whether another solution should be considered. It was decided to publish the complete white paper only in one of the better-known journals, in print and online, and to publish only the foreword or the introduction in the others, with the remark that the whole content can be found elsewhere.

I therefore contacted one of the editors of Materials and Corrosion, Bernd Isecke, and the Managing Editor, Jürgen Mietz. As the journal is an official organ of the EFC, I was assured that the white paper would be published.

In the last few months, we have had several meetings to further expand the online platform "EFC Hub". It has been shown that this is well suited for the exchange of general information and files. However, as indicated above, there are also certain limitations that may be resolved in the future. I also took part in the regular meetings of the PAC via online meetings.

REPORT OF THE SCIENTIFIC SECRETARY TO THE BOARD OF ADMINISTRATORS (Continued)
(September 2021 - February 2022)

At the end of January, the EFC and the WCO were informed that DECHEMA would no longer be able to run the WCO office free of charge in the future. Since I, as EFC Scientific Secretary, also held the office of Secretary of the WCO, I am involved in the reorganization of the WCO.

As usual, I was available throughout the period for inquiries from various colleagues from the EFC, AMPP and other related organisations. The day-to-day work was characterized by administrative matters, including the allocation of EFC event numbers, online meetings and collaborating with the EFC's official journals. I have also tried to encourage people who applied for an EFC event number to submit a report on the event to be included in the EFC newsletter. Unfortunately, some Corona-related restrictions also had to be processed, but fortunately all of them could be solved.

Roman Bender
EFC Scientific Secretary

February 2022

Young-EFC Report Activities: September 2021- March 2022

A) YEFC activities for Eurocorr2022

The YEFC (Marta Mohedano) has been in discussion with Eurocorr2022 Local organisers (Patrick Keil). It was decided to establish a YEFC Task Force focused on Eurocorr 2022 organisation (Noemie Ott, Leonardo Bertolucci and Marta Mohedano).

B) YEFC Plenary lecture competition

Under the frame of Eurocorr2022 organisation it was launched a Plenary Lecture Competition for Young researchers with the aim to be a plenary speaker in Eurocorr2022. After a first screening based on 1 min video, CV and motivation letters, 3 participants were selected for a 3 minute video competition aiming be awarded with the lecture.



The young EFC invites you to
3M Plenary Lecture Competition



Would you like the opportunity to present your **research during a plenary lecture at EuroCorr2022** (Berlin 28.08-01.09)? If you are up to the challenges, then join the **Young EFC 3M Plenary Lecture Competition. We are looking forward to your application!**
Register [here](#) and **send your application to YoungEFC@efcweb.org by November 15th.**

Why participate?

- Develop your academic, presentation and research communication skills
- Develop your ability to effectively explain your research in language appropriate to a general audience
- Celebrate your research, connect with your peers, and raise your public profile
- Have the chance to give a plenary lecture at the next EuroCorr2022

Application (first round)

- 1 min video (free format) to apply and introduce yourself
- CV + list of publications
- Motivation letter

Second round for selected candidates
Challenge yourself and present your research in 3 minutes.

Eligibility

- Contestants must be under the age of 35 during Eurocorr2022 (September 2022). Other candidates may also be considered if there are extraordinary grounds for doing so. (Extraordinary grounds refer to illness, parental leave or similar circumstances)
- Contestants must hold a PhD related to Corrosion
- The winner must register and attend the Eurocorr2022
- The material (video/CV...) could be use in social media

Key dates:
October 2021: registrations open
November 15th 2021: application due
December 20th 2021: finalists announced
January 20th 2022: virtual Final

C) Initiative *Get to know the corrosion fighters*

This activity belongs to the Task Force Awards (led by Claudia Pinon) has the objective of giving visibility to the winners of the European Federation of Corrosion (EFC) awards and attracting young researchers and engineers in the field of corrosion, as well as encouraging young people to apply for EFC prizes.

It is based on short interviews with the laureates of the EFC awards. This interview puts the academic topic more aside and focuses on getting to know the person behind the award.

They are posted regularly in LinkedIn

Young-EFC Report Activities: September 2021- March 2022 (Continued)



D) Webinars Young EFC-Elsevier

The webinar **Advanced Paper Writing: Abstract and Introduction** was successfully conducted in 20th October 2021 with about 40 participants (based on Zoom data). The main speakers were the editors of Corr. Sci Prof. Arjan Mol and Prof. Dawei Zhang.

This is the second webinar of a series organised by Elsevier and YoungEFC and this time it was divided in a general talk and practical discussion.



The **third series** of the Webinar will be focused on **Advance Paper Writing: Material and Methods. Results and Discussion** and it is schedule for the 06 of April 2022.

Young-EFC Report Activities: September 2021- March 2022 (Continued)

E) Women in Corrosion

YOU CAN'T BE WHAT YOU CAN'T SEE"

The Young EFC (YEFC) launched the second edition of women in corrosion asking for participation of female corrosionists (photo + description of the job) to set an example for new generations (led by Leonardo Bertolucci and Andressa Trentin). For this occasion a webinar with an invited female corrosionist is also planned (this indicative is led by Noemie Ott).



F) EFC Social Media

Dr. Marta Mohedano and Dr. Andressa Trentin act as Main Social media Managers

The EFC LinkedIn Page counts with more than **1400followers** and the number is increasing.

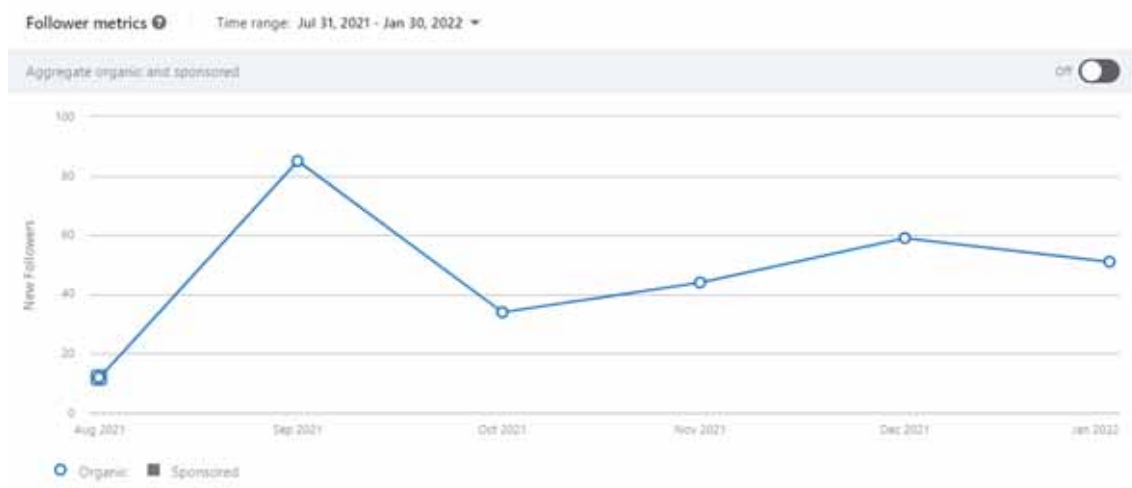
The posts show high interaction and engagement with the community

The communication channel was set via email: Email to socialmedia@efcweb.org

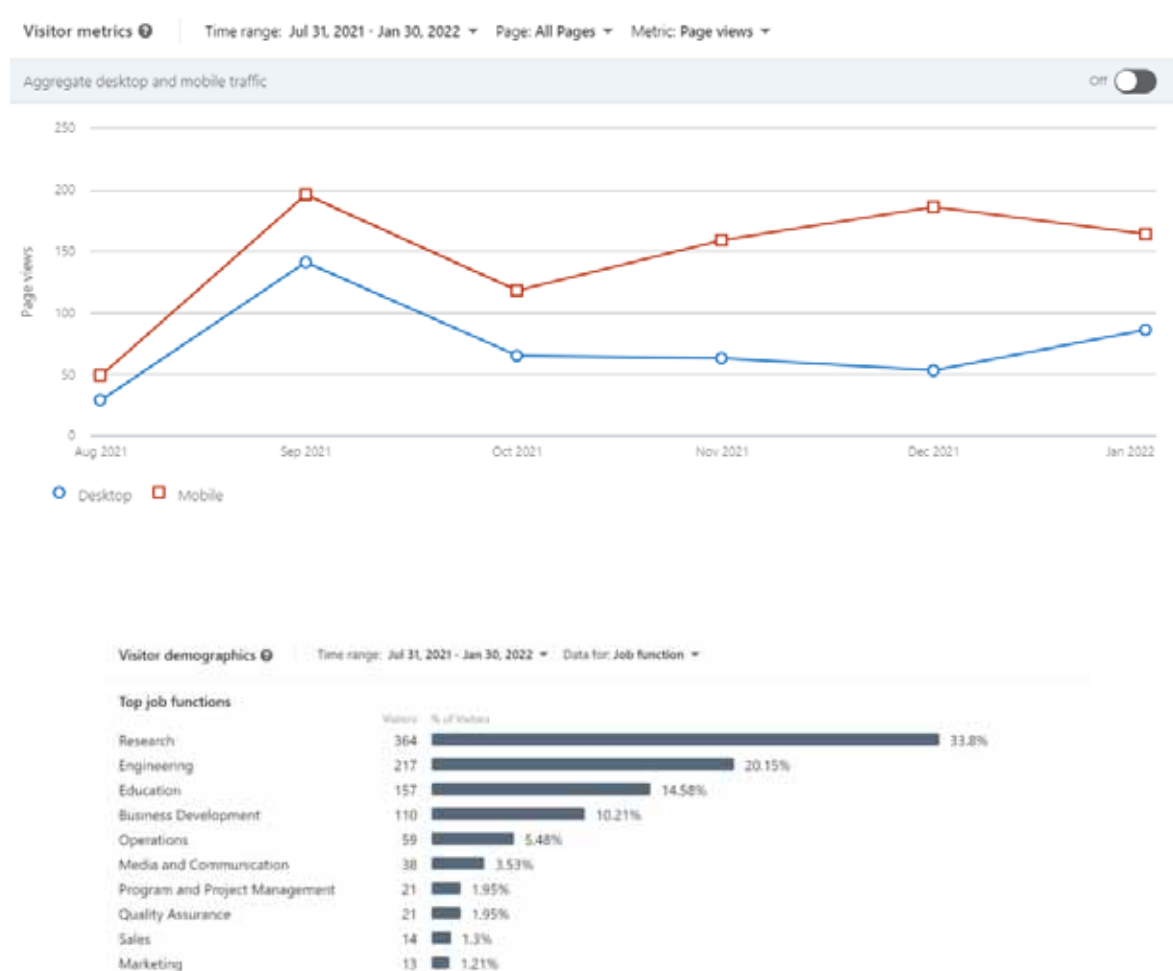
The most relevant actions can be summarized as:

- Collection of information from the EFC and EFC networks
- Preparation of posts
- Eurocorr Advertisements
- Schedule of the posts in a calendar using Hootsuite Tool
- Information of the posts including but not limited to topics such as the Corrosion Awareness Day, scientific grants, mentorship programs of Y-EFC, webinars, poster prizes and Eurocorr.

The following graphics show information from the last 6 months about new followers, page views and visitors job profile



Young-EFC Report Activities: September 2021- March 2022 (Continued)



G) Other activities

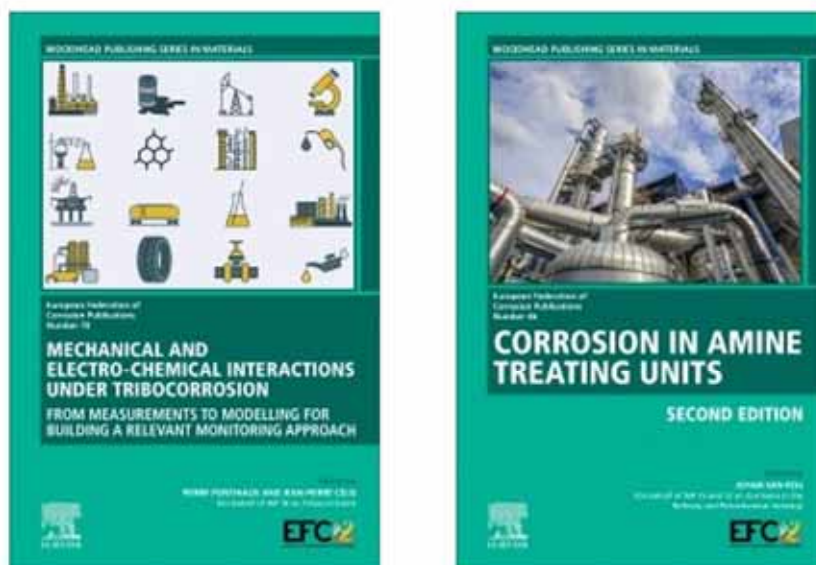
- Participation in the EFC virtual meetings
- Contribution to EFC summer school organisation
- Contribution in the EFC newsletter, summarizing the YEFC activities
- Active exchange of news and advertisement of events (conferences, doctoral schools) with the YEFC network
- Participation in the EFC Task Force “Equity Diversity and Inclusion”

Young-EFC Report Activities: September 2021- March 2022 (Continued)**H) Budget**

Young EFC Financial Report		
	Income	Item
BUDGET 2021		
Income	4 000 €	Allocated by BoA
Expenses	740	Checked with the EFC budget
Total Budget 2021	3260	
BUDGET 2022		
Income	4 000 €	Allocated by BoA
Planned expense	790	Eurocorr 2022 Registration fees for one YEFC board member
Planned expense	900	Eurocorr YEFC Annual meeting together event
Planned expense	500	Flyer, merchandising
Planned expense	800	EFC summer school event
Total Budget 2022	1010	

EFC Book Series

EFC Book Series: published 2021



22.08.2021



27.10.2021

EFC Book Series: in preparation

- 1st edition: "Humidity and electronics: corrosion reliability issues and preventive measures" (Rajan Ambat, Kamila Piotrowska, WP23) - to be published soon
- 1st edition: "Corrosion in sea water cooling systems" (V. Bour-Beucier, F. Ropital, WP 9+15) – to be submitted soon
- 1st edition: "Corrosion resistant low alloy structural steels" (Prof. Xiaogang Li in cooperation with WP 6&8) – draft written
- 1st edition: "Bridging the gap: corrosion science for heritage contexts" (from WP21) – book proposal form submitted, review positive
- 1st edition: "Recent advances made on the understanding of carbon steel corrosion mechanisms in marine media" (from WP9) – work ongoing
- Revised edition Vol. 16: "Carbon steel cracking in oil & gas" (from WP13) – only minor revisions expected, work ongoing
- 1st edition: "Corrosion and low carbon energies" (Damien Feron from EFC-WCO workshops in 2020) – first progress made
- 4th edition Vol. 55: "Corrosion under insulation" (Gino de Landtsheer, WP 15) – revision of 3rd ed. planned for 2023/2024



EFC Newsletter

EFC NEWSLETTER REPORT

Ines Honndorf – BoA meeting March 2022

Publication of EFC Newsletters

- e-Newsletter published twice a year
 - ▣ November/ December (*dealine for contributions : 1 November*)
 - ▣ around 24 April (*deadline for contributions : 1 April*)
- printed Newsletter on the occasion of EUROCORR
(2020 and 2021 issues mainly published electronically, due to virtual EUROCORRs)
 - ▣ Call for contributions in April to Member Organisations and WPs/TFs;
deadline in June/July
- since Autumn 2021, additional “Events” e -newsletter,
published occasionally



EFC Newsletter (Continued)

Publication of EFC Newsletters

Examples



Newsletter Editor – succession planning

- Douglas Mills wishes to step down from the main editor position within 2022 (after 7 years of service as the EFC newsletter editor)
- Dan Mobbs, incoming newsletter editor
 - journalistic background
 - First steps: examines previous newsletters to suggest improvement of attractiveness, e.g. additional formats such as interviews



EFC Journals

PUBLICATION IN EFC JOURNALS

Roman Bender – March 15, 2022

Publication in EFC Journals

□ **Partner Journals**

“Materials and Corrosion”

“Corrosion Engineering, Science and Technology (CST)”

“Matériaux et Techniques”

“Ochrona przed Korozją” (“Corrosion Protection”)

“Koroze a ochrona materiału” (Corrosion and Material Protection).

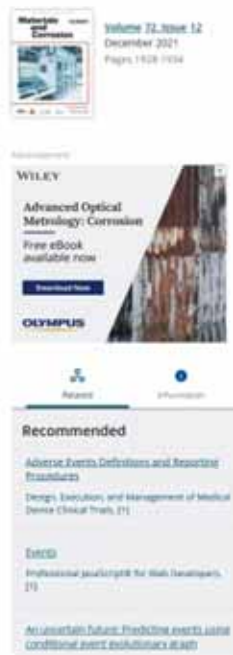


EFC Journals (Continued)

Publication in EFC Journals



Publication in EFC Journals



EFC Journals (Continued)

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Materials and Corrosion
Werkstoffe und Korrosion

EFC NEWSLETTER | Free Access

EFC Newsletter

First published: 03 January 2022 | <https://doi.org/10.1002/maco.202270015>

EFC
EUROPEAN FEDERATION OF CORROSION

E-Newsletter

Issue December 2021

Dear Readers,

This somewhat earlier than usual but still interesting edition of the newsletter highlights the upcoming EUROCORR and we all hope and pray, on this vibrant day, that we will be able to meet and greet one another in person once more in Berlin at the end of August.

There are also information for young corrosionists (study your newsletter editor, although young in heart is no longer virgin!) about two sets of grants: one is the well-established grant to enable young corrosion scientists to study at another establishment for a period. The other (new grant) is to enable young people with doctorate training

In This Issue:

- A few words from the EFC President
- Reporting from virtual EUROCORR 2021
- Upcoming EUROCORR 2022 - Invitation and call for papers
- EUROCORR Travel Grant
- EUROCORR 2022 - Information for

Recommended

Calendar of Events

Page 3 / 5

View in Publisher's site

20. - 22.7. Leoben (Austria) 5th International Conference Hybrid 2022 - Materials and Structures

29. + 30.7. Zurich (Switzerland) ICRACPCM 2022 International Conference on Recent Advances in Corrosion Prevention, Control and Management

August 2022

14. - 19.8. Long Beach (USA) International Conference on Raman Spectroscopy (ICORS)

28.8. - 1.9. Berlin (Germany) EUROCORR 2022

September 2022

12. - 15.9. New Orleans (USA) IMAT 2022 International Materials, Applications & Technologies Conference

EFC
EUROPEAN FEDERATION OF CORROSION

HONORARY TREASURER'S REPORT

The enclosed finance report covers draft results for 2021, forecast for 2022 and proposed budget for 2023.

Draft results for 2021 (annex 1)

Results for 2021 are shown in Annex 1. BoA members should note that we are still expecting some invoices relating to 2021 expenditure and therefore 2021 results are subject to change.

At the moment EFC draft results show an operating surplus of €31,971.

During 2021 EFC received €48,495 received in membership subscriptions, details of which can be seen in Annex 3. Minimum guaranteed royalty of €25,000 was paid to EFC following virtual EUROCRR and additional small royalty was received following Aluminium & Magnesium conference organised by GfKorr. Additionally, in 2021 EFC received first income in respect of the training course labelling.

With no travel and meeting costs or EUROCRR related participation fees, EFC expenditure remained fairly low. Additionally, most of 2020 and 2021 Young Scientist Grant winners delayed their research visits to 2022. We are still expecting to receive invoices for Paris Secretariat and Belgium tax and VAT support but overall EFC surplus for 2021 should be about €20,000.

Forecast for 2022 (annex 2)

2022 EFC budget was agreed by the General Assembly and Annex 2 shows changes to the expected 2022 income and expenditure.

It is expected that CSCP will resume their contribution of €1,500 towards Young Scientist Award in 2022 and income forecast was adjusted accordingly.

Following Dr Mills' retirement, EFC has a new Editor and newsletter production cost was adjusted to reflect new Editor's fee. Paris Secretariat agreed to provide additional administrative support to ensure EFC remains compliant with regulations in Belgium, which is reflected in the increased fee.

It is expected that meetings will primarily remain virtual during 2022 and travel and meeting cost lines across different activities were therefore reduced accordingly. Trial of the Solved platform started in 2021 and 2022 forecast assumes that use of Solved platform will be extended at €3,000 annual fee.

After taking into account all changes, it is expected that EFC will end 2022 with operating surplus of €28,950 and overall deficit of just €50.

Budget for 2023 (annex 2)

Budget for 2023 is also shown in Annex 2. It assumes that Brussels EUROCRR will take place and usual EFC activities resume once again. Budget for 2023 shows results being similar to those expected in 2022, with operating surplus of €27,500 and overall deficit of €1,500.

2021 subscription fees (annex 3)

Status of 2021 membership subscriptions is shown in Annex 3. It should be noted that a number of societies still have 2020 membership fees outstanding. While EFC recognised financial challenges of the last 2 years, we urge societies to bring their payment status up to date to ensure their members continue benefiting from EFC membership. Any society experiencing financial difficulties and wishing to propose payment plan, should contact EFC Presidential team.

Julija Bugajeva
EFC Honorary Treasurer
14 February 2022

HONORARY TREASURER'S REPORT (Continued)**EUROPEAN FEDERATION OF CORROSION**

Treasurer's report

Income and expenditure account for the year ended 31 December 2020

Annex 1 - Page 1

	2021 budget		2021 results		2020 results	
	€	€	€	€	€	€
Income						
Net subscriptions receivable	50 000		48 495		53 097	
Eurocorr & conference levy	45 000		26 274		25 000	
CSCP Grant for Young Scientist Award	0		0		3 000	
Training course labelling	0		1 100		0	
Publishing income	4 000		4 588		3 045	
Total	99 000		80 456		84 142	
Expenditure						
Membership services						
Science secretary costs	10 250		7 500		7 500	
Support for working parties	4 000		0		0	
Newsletter (inc Editor's travel costs)	10 000		8 000		10 027	
Website	2 000		7 000		5 000	
Medals and awards	6 500		3 203		4 548	
	32 750		25 703		27 075	
Membership/product development growth						
Publicity	500		700		0	
EFC international activities	2 000		0		0	
Young EFC expenses	4 000		740		0	
President's dinner at Eurocorr	3 000		0		0	
	9 500		1 440		0	
International visibility						
NACE participation costs	2 000		0		0	
World Corrosion Organisation	3 000		3 179		3 000	
International Union of Chemistry	50		44		47	
	5 050		3 223		3 047	

HONORARY TREASURER'S REPORT (Continued)**EUROPEAN FEDERATION OF CORROSION**

Treasurer's report

Income and expenditure account for the year ended 31 December 2020 (Continued)

Annex 1 - Page 1

	2021 budget		2021 results		2020 results	
	€	€	€	€	€	€
Other costs / (income)						
Sundry expenses	100		0		0	
Bank charges	100		80		157	
Old exchange gains			0		(11 679)	
		200		80		(11 522)
Total costs		<u>95 500</u>		<u>44 486</u>		<u>57 644</u>
Operating surplus/(deficit)		<u>3 500</u>		<u>35 971</u>		<u>26 497</u>
Strategic actions						
Development of training courses	10 000		0		0	
Depreciation charge	0		4 000		2 667	
		10 000		4 000		2 667
Overall surplus/ (deficit) for the year		<u>(6 500)</u>		<u>31 971</u>		<u>23 831</u>
Surplus brought forward		316		340		316 343
		343		174		
Surplus carried forward		<u>309</u>		<u>372</u>		<u>340 174</u>
		<u>843</u>		<u>145</u>		

HONORARY TREASURER'S REPORT (Continued)**EUROPEAN FEDERATION OF CORROSION**

Treasurer's report

Balance sheet as at 31 December 2020 and 2019

Annex 1 - Page 2

	Note	Balance at 31/12/2021 €	Balance at 31/12/2020 €
Fixed assets			
Website	(1)	13 333	17 333
		<u>13 333</u>	<u>17 333</u>
Current assets			
Debtors	(2)	700	0
VAT account balance		1 300	2 394
Bank balance		392 158	344 047
		<u>394 158</u>	<u>346 441</u>
Current liabilities			
Creditors and accruals	(3)	31 322	19 575
		<u>31 322</u>	<u>19 575</u>
Net assets		<u>376 170</u>	<u>344 199</u>
General fund		372 145	340 174
Education fund		4 025	4 025
Total funds		<u>376 170</u>	<u>344 199</u>

HONORARY TREASURER'S REPORT (Continued)**EUROPEAN FEDERATION OF CORROSION**

Treasurer's report

Notes to the financial statements for the year ended 31 December 2019

Annex 1 - Page 3

	2021	2020
	€	€
1) Fixed assets		
Website cost	20 000	20 000
Depreciation charge brought forward	(2 667)	
Depreciation charge for the year	(4 000)	(2 667)
Website value at 31.12.2021 / 31.12.2020	<u>13 333</u>	<u>17 333</u>
2) Debtors		
2021 income received after 31.12.2021	700	0
	<u>700</u>	<u>0</u>
3) Creditors and accruals		
Paris secretariat fees and expenses	0	7 968
Legal fees in Belgium		3 280
WCO 2020 & 2021 fee	6 179	3 000
Grants & prizes awarded - to be claimed	1 500	3 000
2021 subscription received in advance		1 358
IOM3 creditor account	842	842
PO box fee	257	127
Science Secretary costs	7 500	
Website costs	7 000	
Newsletter costs	8 000	
IUPAC 2021 fee	44	
	<u>31 322</u>	<u>19 575</u>

EUROPEAN FEDERATION OF CORROSION
Budget for 2021

Treasurer's report
Annex 2 - Page 1

	2021 results <i>Virtual Eurocorr</i>	2022 budget <i>approved by GA</i>	2022 forecast <i>Berlin EuroCorr</i>	2023 budget <i>Brussels Eurocorr</i>
	€	€	€	€
Income				
Membership subscriptions	48 495	55 000	55 000	55 000
Eurocorr & conference levy	26 274	45 000	45 000	45 000
CSCP grant for Young Scientist Award	0	0	1 500	1 500
Training course labelling	1 100	0	0	0
Publishing income	4 588	3 000	3 000	3 000
Total	80 456	103 000	104 500	104 500
Expenditure				
Membership services				
Science secretary fee & travel costs	7 500	10 000	10 000	10 000
Support for working parties	0	4 000	4 000	4 000
Newsletter fee & Editor's fee	8 000	10 000	10 500	10 500
Website	7 000	7 000	7 000	7 000
Medals and awards	3 203	6 500	6 500	6 500
Membership/product development growth	25 703	37 500	38 000	38 000
Publicity costs	700	500	500	500
EFC visibility	0	2 000	2 000	2 000
Young EFC activities	740	4 000	4 000	4 000
President's dinner at Eurocorr	0	3 000	3 000	3 000
International visibility	1 440	9 500	9 500	9 500
NACE participation costs	0	2 000	2 000	2 000
World Corrosion Organisation	3 179	3 000	3 000	3 200
International Union of Chemistry	44	50	50	50
	3 223	5 050	5 050	5 250

HONORARY TREASURER'S REPORT (Continued)

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EUROPEAN FEDERATION OF CORROSION Budget for 2020 - 2021 (Continued)

Treasurer's report
Annex 2 - Page 2

	2021 results <i>Virtual Eurocorr</i>	2022 budget <i>approved by GA</i>	2022 forecast <i>Berlin EuroCorr</i>	2023 budget <i>Brussels Eurocorr</i>
	€	€	€	€
Administrative costs				
Paris secretariat fee & travel costs	0	11 000	12 000	12 000
Advisory committee meeting costs	0	1 000	500	1 000
Honorary Treasurer travel costs	0	1 500	750	1 500
Managing officer fee & travel costs	5 713	0	0	0
Solved platform	5 990	0	3 000	3 000
PO Box in Brussels	1 167	1 500	1 500	1 500
Legal & professional fees in Belgium	1 170	5 000	5 000	5 000
			22 750	24 000
Other costs				
Miscellaneous expenses	0	100	100	100
Bank charges	80	150	150	150
			250	250
Total costs				
	44 486	72 300	75 550	77 000
Operating surplus/(deficit)				
	35 971	30 700	28 950	27 500
Strategic actions				
Development of training courses		10 000	10 000	10 000
Depreciation charge		4 000	4 000	4 000
President's extraordinary expenditure allowance	4 000	5 000	5 000	5 000
Contingency for administration support		10 000	10 000	10 000
			29 000	29 000
Overall surplus/(deficit) for the year				
	31 971	1 700	(50)	(1 500)
Surplus brought forward	340 174	372 145	372 145	372 095
Surplus carried forward	372 145	373 845	372 095	370 595

HONORARY TREASURER'S REPORT (Continued)

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EUROPEAN FEDERATION OF CORROSION STATUS OF 2020 SUBSCRIPTIONS

Treasurer's report
Annex 3 - Page 1

INVOICE	SOCIETY	COUNTRY	Fees 2021 €	Arrears b/fwd €	Received 2021 €	Write off €	Owing €	Type of member
1	The Austrian Society of Metallurgy & Materials	Austria	1 690,00		1 690,00		0,00	Regular
6	CEFRACOR	France	1 690,00		1 690,00		0,00	Regular
8	GfKORR	Germany	1 690,00		1 690,00		0,00	Regular
9	DECHEMA eV	Germany	1 690,00		1 690,00		0,00	Regular
10	Associazione Italiana di Metallurgia AIM	Italy	1 690,00		1 690,00		0,00	Regular
15	Norsk Korrosjonsteknisk Forening	Norway	1 690,00		1 690,00		0,00	Regular
17	Sociedade Portuguesa de Materiais	Portugal	1 690,00		1 690,00		0,00	Regular
19	Swedish Corrosion Institute	Sweden	1 690,00		1 690,00		0,00	Regular
21	SGO-SST	Switzerland	1 690,00		1 690,00		0,00	Regular
22	Institute of Corrosion	UK	1 690,00		1 690,00		0,00	Regular
23	The Institute of Materials, Minerals and Mining	UK	1 690,00		1 690,00		0,00	Regular
25	Croatian Society for Materials Protection	Croatia	1 690,00		1 690,00		0,00	Regular
26	Czech Association of Corrosion Engineers	Czech Republic	1 690,00		1 690,00		0,00	Regular
28	Hungarian Corrosion Society	Hungary	1 690,00		1 690,00		0,00	Regular
30	Polskie Stowarzyszenie Korozyjne	Poland	1 690,00		1 690,00		0,00	Regular
32	Institute of Metals and Technologies	Slovenia	1 690,00		1 690,00		0,00	Regular
37	ANTIKOR – Int. Sci. & Educ. Corr. Centre	Russia	1 690,00	1 690,00			3 380,00	Regular
38	The Corrosion Association	Turkey	1 690,00	1 690,00			3 380,00	Regular
43	Gdansk University of Technology	Poland	1 030,00				1 030,00	Affil U/RO
44	NACE Europe	Europe	1 690,00		1 690,00		0,00	Regular
47	Oerlikon Metco Europe GmbH	Germany	1 550,00		1 550,00		0,00	Affil Company
49	Stopaq BV	The Netherlands	1 550,00		1 550,00		0,00	Affil Company

HONORARY TREASURER'S REPORT (Continued)

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**EUROPEAN FEDERATION OF CORROSION
STATUS OF 2020 SUBSCRIPTIONS**

Treasurer's report
Annex 3 - Page 2

INVOICE	SOCIETY	COUNTRY	Fees 2021 €	Arrears b/fwd €	Received 2021 €	Write off €	Owing	Type of member
51	Bond voor Materialenkennis	The Netherlands	1 690,00		1 690,00		0,00	Regular
54	ATV-SEMAPP	Denmark	1 690,00		1 690,00		0,00	Regular
55	The Australasian Corrosion Association Inc	Australia	1 690,00	5 070,00			6 760,00	Regular
57	APCE	Italy	1 690,00		1 690,00		0,00	Regular
59	VOM vzw	Belgium	1 690,00		1 690,00		0,00	Regular
60	SOCIEMAT	Spain	1 690,00		1 690,00		0,00	Regular
62	Water Technologies Laboratory Ltd	Russia	1 550,00	1 550,00			3 100,00	Affil Company
63	National Institute for Nuclear Science and Technology	France	1 030,00	1 030,00			2 060,00	Affil U/RO
64	Chinese Society for Corrosion and Protection (CSCP)	China	1 690,00				1 690,00	Regular
65	fkks-Fachverband Kathodischer Korrosionsschutz e.V	Germany	1 690,00		1 690,00		0,00	Regular
68	CIDETEC	Spain	1 550,00	1 550,00			3 100,00	Affil Company
69	Chongqing Wujiu Periodicals Press	China	1 550,00				1 550,00	Affil Company
70	Divune Ltd	UK	1 550,00	1 300,00			2 850,00	Affil Company
71	Helmut Fischer GmbH	Germany	1 550,00		1 550,00		0,00	Affil Company
	Vereniging Industrieel Oppervlaktebehandelend							
73	Nederland (Association ION)	The Netherlands	1 690,00		1 690,00		0,00	Regular
74	Integrated Global Services	Czech Republic	1 550,00		1 550,00		0,00	Affil Company
75	OLI Systems Inc	USA	1 550,00	1 550,00			3 100,00	Affil Company
76	LBBC Baskerville	UK	1 550,00		1 550,00		0,00	Affil Company
			64 880,00	15 430,00	48 310,00	0,00	32 000,00	

Announcement Corrosion Awareness Honour 2022



CORROSION AWARENESS HONOUR 2022

an annual award to an outstanding individual corrosionist

In association with the World Corrosion Organization (WCO), the Chinese Society of Corrosion and Prevention (CSCP) and the European Federation of Corrosion (EFC) have collaborated to create an international award to celebrate outstanding achievement in raising public awareness of corrosion.

The annual CORROSION AWARENESS HONOUR is now open for submissions.

The Corrosion Awareness Honour recognises pioneering individuals who have made a substantial contribution to increasing awareness of the importance of corrosion and corrosion protection amongst government, industry and the general public. The award consists of a certificate and the sum of 1,000 EUR.

In their award submissions, nominees should meet some, but not necessarily all, of the following **criteria**:

- a meaningful contribution to promotion of public awareness of corrosion and corrosion protection
- leadership of initiatives with government and/or industry to highlight the importance of corrosion and corrosion protection
- marked impact on the practice of corrosion control through educational, outreach and dissemination activities
- affiliation to CSCP, EFC or WCO.

Closing date for nominations: March 31, 2022.

The award winner will be notified by May 15, 2022 and the award ceremony will be during the EUROCORR 2022.

Nominations must be addressed to the WCO office:

Roman Bender

c/o DECHEMA e.V.

E-mail: roman.bender@dechema.de

About WCO:

The World Corrosion Organization promotes education and best practices in corrosion control for the socio-economic benefit of society, preservation of resources, and protection of the environment. Its members are involved in the dissemination of corrosion information, corrosion research, education, mitigation, and/or materials selection.

<https://corrosion.org>

Report on WCO Activities

WCO activities

Damien Féron
EFC PAC meeting
8th January 2022

DF20220208 – V01

1/11

Introduction - WCO financial

- EFC annual fees : \$ 3600,00 (every EFC member is also a member of WCO)
- EFC did not pay for 2020 nor for 2021

	2019/5	2020/5	2021/5
Balance 1 Jan	27,140	31,386	30,421
Income	7,350	3,775	3,875
Expenditure	3,107	4,840	1,148
Balance 31 Dec	31,386	30,421	33,148

Income : member fees

Expenditure (20&21): accountants& bank fees, LehighUniversity students
(data from Willi Meier, WCO DG & Treasurer)

DF20220208 – V01

2/11

Report on WCO Activities (Continued)

Main activities

- Meetings with UN (New York) and UN youth representatives (Lehigh University)
- April 24th – Corrosion awareness day (2020/21)
- New action: “Green Power & corrosion” (since 2019)
- Corrosion Awareness Honour
- WCO visibility
- Evolution of WCO organisation



3/11

April 24th - Corrosion Awareness Day – 2020/21

- ☐ The event is not known in Europe (it starts to be by corrosion people)
- ☐ Need to work also on national basis
- ☐ COVID-19
- 2020 WCO Webinar “Corrosion and Low Carbon Energies”
 - ☐ First large webinar organised (around 500 attendees) / 5 international well known speakers . **Many thanks to Willi Meier & Dechema**
- Association with the Young EFC (2020 & 21) / EFC Newsletters (April 2020/2021)
- In 2021: WCO President 's video message (one specific for the events in China and following several requests)
- “Material Business” website (a week letter on April 24th)
- More visibility on LinkedIn
 - Announcement of the 2020 webinar : 2000 views
 - “2021 corrosion awareness day” : 2058 views
 - Announcement of the TI “free” papers : 1443 views



4/11

Report on WCO Activities (Continued)

April 24th - Corrosion Awareness Day – 2021

Some events in Europe & the world :

- i. EFC WP4 (Nuclear Corrosion) Online Seminar (Friday, 23rd April)
- ii. Webinar - SWERIM, Sweden (Friday, 23rd April)
- iii. Webinar and photo competition ("corrosion where I walk")- HUNKOR (in Hungarian), Hungary (Friday, 23rd April)
- iv. Photo/image competition organized by the Coatings & Ceramics and the Metallurgy & Corrosion groups of the Department of Materials at the University of Manchester, April 24th, 2021.
- v. **Online Technical Session & Corrosion Physical Model Competition- NACE Islamabad, Pakistan (Saturday, 24th April)**
- vi. **WCO Forum at NACE CORROSION2021 (Monday, 26th April)**
- vii. Metrohm Schweiz and the Swiss Corrosion Network invite scientists and engineers from industry and the Swiss academy to participate in a day dedicated to presenting and discussing different corrosion topics, April 26th, Zofingen, Switzerland.
- viii. The Institute of Corrosion, UK organized the competition "Thesis in 3 minutes" to explain the importance academic and industrial research on corrosion April 29
- ix. **In China, biggest events, with 19.000 persons in April 2020 (Shenyang) Forum of Corrosion Control Technology and Industrialization Development Guangzhou, China, April 24-26, 2021**
- x.



Many thanks to Prof. En-Hou Han

5/11

April 24th - Corrosion Awareness Day – 2020/21

Some events in France :

- i. Videos (2 in French alexandrine verses, one translated into English)
- ii. Announcements on the CEFRACOR webpage
- iii. Article in the "Techniques de l'Ingénieur"
- iv. Released of five engineering articles (in French and English) on five major corrosion issues regarding nuclear corrosion, seawater corrosion, coatings, inhibitors and tribocorrosion, free of charge
- v. A theatre show on April 23^d, cancelled due to the COVID-19 crisis (*Faire-Fer Sciences*) and rescheduled next November during the 2^d edition of "Conversations Arts"
- vi. Several actions in Universities (expo., conferences, Master class...)



2022 Corrosion Awareness Day

- In continuity
- How to involve AMPP and ACA ?



6/11

Report on WCO Activities (Continued)

New action: “Green Power & corrosion”

- i. Included in the activities of the corrosion awareness day 2020 (Webinar)
- ii. Specific Forum/meeting/workshop/symposium
 - Workshop EFC-WCO during Virtual Eurocorr 2020 (September 2020).
 - WCO NACE Forum during Virtual CORROSION 2021 (planned in initially in 2020)
 - Workshop during the 21st ICC (virtual) Sao Paulo (Brazil), July 2023, 2021
 - Workshop EFC-WCO, virtual Eurocorr 2021 (Budapest), September 19-23, 2021
 - Workshops in China (November 2020 in Guangzhou)
- iii. Other specific workshops organised on the subject in France (IFP) and in UK (IC)
- iv. EFC & WCO task force on the subject
- v. WCO-EFC white paper on «corrosion and lowcarbon energies» **Many thanks to Roman Bender**
- vi. A “Green book” in the EFC series was initially planned, but with the postponement of workshops....



“Corrosion Awareness Honour”

New EFC-CSCP prize given under the umbrella of the WCO

- ✓ Rules written by WCO and accepted by EFC & CSCP at the beginning of 2021 (initiative started during Eurocorr 2019 in Seville, Spain)
 - 9- Nominees should meet some, but not necessarily all, of the following criteria:
 - a meaningful contribution to promotion of public awareness of corrosion and corrosion protection
 - leadership of initiatives with government and/or industry to highlight the importance of corrosion and corrosion protection
 - marked impact on the practice of corrosion control through educational, outreach and dissemination activities
 - affiliation to CSCP, EFC or WCO.
- ✓ 5 jury members : 2 from EFC, 2 from CSCP and WCO President
- ✓ WCO organizes the call and the ballot, gives the certificate. The prize is given alternatively each year in China or in Europe by CSCP or EFC
- ✓ First Honour given in 2021
- ✓ Call for 2022 nominees done

Corrosion Awareness Honour winner announced



The Corrosion Awareness Honour has been established to celebrate outstanding achievements in corrosion awareness and corrosion protection. The prize is given annually to individuals or organizations who have made significant contributions to the field of corrosion awareness and corrosion protection. The prize is given alternatively each year in China or in Europe by CSCP or EFC.



Report on WCO Activities (Continued)

Other activities - WCO visibility

- WCO Website <https://corrosion.org/>
- Increase the WCO visibility in social networks
 - LinkedIn
 - the announcement of the EFCWCO workshop in Budapest (Eurocorr 2021) received the largest number of “views”: 3888 / The last six “posts” received between 913 and 2066 “views”.
 - Personal page
 - It is planned to reactivate the “WCO Facebook page” (last post: February 2016) by using the LinkedIn posts (Emails contacts with Amir Eliezer and his colleague, manager of the page)
 - Increasing the visibility of the WCO webpage
- Increase the WCO visibility in media



9/11

WCO actions 2022

- Evolution of the WCO organisation
- April 24th – Corrosion awareness day
- “Green Power & corrosion”
 - White paper with EFC
 - Visibility of the white paper (social networks, websites, UN, universities, press release...)
- End of my term as WCO President: April 2022
- March 6-10, 2022: first AMPP annual conference and Expo. (San Antonio, USA) / next WCO GA on 8th March.



10/11

Report on WCO Activities (Continued)

THE WORLD
CORROSION
ORGANIZATION

April 24th – Corrosion Awareness Day

