

EUROPEAN FEDERATION OF CORROSION
EUROPÄISCHE FÖDERATION KORROSION
FÉDÉRATION EUROPÉENNE DE LA CORROSION



BOARD OF ADMINISTRATORS

Pisa, Italy

September 8, 2014

WORKING PAPERS

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WORKING PAPERS

Meeting of the Board of Administrators
of the
European Federation of Corrosion
Pisa, Italy, September 8, 2014

Venue of meeting: **Palazzo dei Congressi of Pisa**
Via Matteotti 1
56124 Pisa - Italy
Room D

Date and time of meeting: **Monday, September 8, 2014 - 14h00**

Chairman: **Pr. Lorenzo Fedrizzi (EFC President)**

Secretary: **Mrs. Pascale Bridou Buffet (Paris Office)**

**EUROPEAN FEDERATION OF CORROSION
MEETING OF THE BOARD OF ADMINISTRATORS
PISA, 8th SEPTEMBER 2014, 14:00**

PROPOSED AGENDA

- Item 01 Opening of the meeting
- Item 02 Apologies for absence
- Item 1 Approval of the Agenda and Adoption of the Minutes of the last Meeting
- Item 2 Report on STAC Activities
- Item 3 Administrative Matters
 - 3-1 Status of Applications for EFC Membership
 - 3-2 Status of EFC Membership for Belgium
 - 3-3 EFC Presidency and Vice-Presidency
 - 3-4 EFC Honorary Treasurer
 - 3-5 Revision of the EFC Medal Rules
- Item 4 Interaction with other Organisations
 - 4-1 EFC/NACE Collaboration
 - 4-1.1 EFC/NACE MoU
 - 4-1.2 NATO Corrosion and Coatings Standards
 - 4-1.3 BOTH- like Events in Europe
 - 4-2 World Corrosion Organisation
 - 4-3 ICC Collaboration
- Item 5 EFC Activities and Projects
 - 5-1 Report of the Scientific Secretary
 - 5-2 Report of the Public Relation Officer
 - 5-3 Questionnaire to EFC Member Societies
 - 5-4 EFC Publications
 - 5-4.1 EFC Book Series
 - 5-4.2 EFC Electronic Newsletter
 - 5-4.3 EFC Newsletter
 - 5-4.4 Progress with items/articles for the Publication in the three EFC Journals
 - 5-4.5 Status on the other Partner Journals
 - 5-5 EFC Web Site
 - 5-6 EFC Logo
- Item 6 Finance
 - 6-1 EFC Financial Report
 - 6-2 EFC Subscription Fees for 2015
- Item 7 EUROCORN Series: 2014 to 2018
 - 7-1 EUROCORN 2014, Pisa (Italy) - Report
 - 7-2 EUROCORN 2015, Graz (Austria) - Progress with Arrangements
 - 7-3 EUROCORN 2016, Montpellier (France) - Report on Preliminary Arrangements
 - 7-4 EUROCORN 2017, Prague (Czech Republic) - Initial Progress Report
 - 7-5 EUROCORN 2018 - Call for Bids
 - 7-6 Progress on the EFC Exhibition Task Force
- Item 8 EFC Events and Calendar of Events
- Item 9 Any other Business
- Item 10 Date and Place of next BoA

WORKING PAPERS OF THE EFC BOARD OF ADMINISTRATORS (BoA)

Item 01 Opening of the meeting

Prof. Lorenzo Fedrizzi, President of the EFC and Chairman of the meeting, will welcome delegates.

Item 02 Apologies for Absence

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

Item 1 Approval of the Agenda and Adoption of the Minutes of the last Meeting

1-1 BoA members will be asked to approve the proposed agenda.

1-2 BoA members will be asked to approve the minutes of the Milan meeting (25th March 2014) and to raise any issues not covered in the present agenda.

Item 2 Report on STAC Activities

Dr. Arjan Mol, Chairman of STAC, will review progress of the STAC.

Item 3 Administrative Matters

3-1 Status of Applications for EFC Membership

The Frankfurt Office will report on the new application to join the EFC from Fleming Europe (Event Production), Slovakia, as an Affiliate Member, see **Appendix 1**, which has already been approved by an e-mail voting process by the BoA and followed by an e-mail voting process by the GA (result to be confirmed after the e-mail voting process dead line 21 July 2014).

3-2 Status of EFC Membership for Belgium

It is reminded that the BoA is constituted by the elected members and one member representing each of the General Secretariat Offices (France, Germany and UK) and one from the country of registration in law of the EFC (Belgium).

During the General Assembly of 2013 in Estoril, the EFC Member Societies were informed that Mr. Antoine POURBAIX was not confirmed as the representative of Belgium. The name of the BoA representative for Belgium was postponed until the EFC will receive more information from the Belgian Members.

As mentioned in the minutes of the last BoA Meeting in Milan, the nomination of a representative of Belgium in the BoA was still to be clarified. Consequently, this item has been discussed during the President Advisory Committee Meeting (PACM) on July 4th in Paris.

Further to the approval of VOM (Belgian Association for Surface Treatment) as new EFC Member from Belgium, the EFC President has contacted VOM and CEBELCOR.

The PACM propose the following to the BoA:

- To move the current registered EFC address from “Avenue des Petits-Champs 4A, Waterloo” to a postal box in Brussels.
- To transfer to VOM the rights and duties at present in charge of CEBELCOR.
- To nominate Prof. Marjorie Olivier from VOM as Representative of Belgium in the BoA.

The BoA will be invited to approve these proposals to be presented for a vote by the General Assembly the day after.

3-3 EFC Presidency and Vice-presidency

The term of office of the current President, Prof. Lorenzo Fedrizzi, will end in 2014.

The current Vice-President, Prof. Fátima Montemor, is to be proposed to the General Assembly (GA) as new EFC President from 1st January 2015.

At this time it is necessary for the BoA to select a new Vice-President for appointment by the GA in Pisa.

At the PACM, which took place on 4th July 2014 in Paris, Mr. Damien Féron was unanimously nominated to be proposed to the BoA for election as Vice-President. The CV of Mr. Damien Féron is provided as **Appendix 2**.

Following BoA recommendations, Mr. Damien Féron will be presented for election to the General Assembly in Pisa.

3-4 EFC Honorary Treasurer

The EFC President will report on the progress with IOM³ on the nomination of a new Honorary Treasurer.

3-5 Revision of the EFC Medal Rules

During the last PACM, an action was placed on the STAC Chairman and the Scientific Secretary to propose to the STAC meeting on September 8, 2014, to delete “*individual associated with EFC*” in the first sentence of the article 11 of the EFC Medal Rules and to organise a general discussion about these Rules, see the current rules in **Appendix 3**.

The BoA will be requested to approve the proposal(s) of the STAC.

The GA will be informed of the BoA decision.

Item 4 Interaction with other Organisations

4-1 *EFC/NACE Collaboration*

4-1.1 - *EFC/NACE MoU*

Appendix 4 provides the new version of the Memorandum of Understanding (MoU) signed between EFC and NACE, including the agreement on the discount of 20 % on NACE publications for all the International EFC members. The BoA will be invited to discuss the conditions of application of this MoU and more specially the organization of NACE Corrosion Conferences in Europe.

4-1.2 - *NATO Corrosion and Coatings Standards*

The EFC STAC Chairman, Dr. Arjan Mol, will report on the progress about the collaboration between NACE and EFC for writing Corrosion and Coatings Standards on behalf of NATO after the signature of the Memorandum of Understanding during EUROCORR 2013 in Estoril.

4-1.3 - *BOTH- like Events in Europe*

The BoA has agreed during the Milan Meeting that BOTH Events should not be organized with the NACE in the future, but that BOTH-like Events could be organised by EFC Member Societies in Europe.

Appendix 5 provides the information about the “*Keeping your cool*” EFC Event n° 379 organised by DECHEMA on 13 and 14 November 2014 in Frankfurt.

The EFC STAC Chairman, Dr. Arjan Mol, will report on the contact with the Working Party 15 Chairman, Dr. François Ropital, about their interest in this kind of event.

4-2 *World Corrosion Organisation*

Progress on EFC/WCO collaboration will be presented.

4-3 *ICC Collaboration*

The location of ICC 2017 will be decided next November in Seoul during ICC 2014. On the other side, the EUROCORR 2017 host has been decided during the BoA Milan Meeting and will take place at Prague, Czech Republic.

Prof. Dr. Willi Meier will report on the current position of ICC candidates and bids for 2017.

Item 5 EFC Activities and Projects

5-1 *Report of the Scientific Secretary*

The report of the Scientific Secretary, Dr. Roman Bender, is presented in **Appendix 6**.

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

5-2 *Report of the Public Relation Officer*

The report of the Public Relation Officer, Mrs. Juliet Ippolito, is presented in **Appendix 7**.

The BoA will be invited to approve the Public Relation Officer Report.

5-3 *Questionnaire to EFC Member Societies*

The BoA has decided to send a questionnaire for the EFC Member Societies, see **Appendix 8**, requesting information which would improve the cooperation among them and with the administrative bodies of the Federation. In addition it would help the EFC General Secretaries, the Board of Administrators, and the Science and Technology Advisory Committee, to better adapt their activities to the wishes of the Federation's members.

The Frankfurt Office will report on the results obtained from this questionnaire.

5-4 *EFC Publications*

5-4.1 *EFC Book Series*

The EFC STAC Chairman, Dr. Arjan Mol, will report on the progress in the preparation of the EFC Book Series.

He will also report on the progress of the discussion between Woodhead and Maney concerning the publication of the EFC Green books published in the past by Maney.

He will report on the status of the translation in Croatian of the EFC Publication n° 63 on "*The corrosion performance of metals for the marine environment: a basic guide*" and on the publication of the translation in Persian of the EFC Green Book n° 64.

5-4.2 *EFC Electronic Newsletter*

An EFC e-Newsletter has been circulated for the occasion of the WCO Corrosion Awareness Day on 24 April 2014, an initiative of the WCO.

5-4.3 *EFC Newsletter*

The hardcopy Newsletter N° 22 has to be prepared for distribution on the occasion of EUROCORR 2014.

5-4.4 *Progress with items/articles for the Publication in the three EFC Journals*

Dr. Roman Bender will report on progress regarding the publications in the 3 partner Journals: "*Materials and Corrosion*", "*Corrosion Engineering, Science and Technology (CST)*" » and "*Matériaux et Techniques*".

5-4.5 Status on the other Partner Journals

Mrs. Juliet Ippolito, the Public Relation Officer (PRO), will report on the contacts taken with the EFC Members Societies to ask them to propose journals which could become EFC Partner Journals, see **Appendix 9**.

5-5 EFC Web Site

The BoA members are reminded of the login and password, which allows them direct access to the restricted area of the website:

Login: efc-boa

Password: Istanbul12

Dr. Roman Bender will present the status on the latest improvements to the EFC Website including the Calendar of Events with a scrolling process and the announcement of the EUROCRRs series for which the right column of the EFC home page will be reserved.

Mrs. Juliet Ippolito, will report on the result of her action to check and to push EFC Member Societies to create a restricted area in their website for their members and to encourage them to implement a link from this restricted area to the EFC website restricted area.

The STAC Chairman will report on the status of the implementation of restricted areas on the web pages of the Working Parties.

5-6 EFC Logo

During its last meetings, the PACM discussed about the visibility of the EFC and particularly the EFC logo and graphical image.

The BoA will be proposed some projects of new logos in order to make a selection to be presented to the GA for final approval.

Item 6 Finance

6-1 EFC Financial Report

An EFC Financial Report will be presented by a Representative of IOM³, including the situation of the EFC Membership Fee arrears (**see Appendix 10**).

BoA Members will be invited to approve the Financial Report.

6-2 EFC Subscription Fees for 2015

The subscription fees for the year 2015 will be proposed by the BoA for recommendation to the GA.

Item 7 **EUROCORR Series: 2014 to 2018**

7-1 ***EUROCORR 2014 - Pisa (Italy) - Report***

Mrs. Federica Bassani will report on the preliminary results of **EUROCORR 2014** in **Pisa**.

Appendix 11 provides the EUROCORR 2014 Report Form I.

7-2 ***EUROCORR 2015 - Graz (Austria) - Progress with Arrangements***

EUROCORR 2015 will be held on **6 - 10 of September 2015** in **Graz**, Austria. The general theme will be “**Earth, Fire, Water, Air, Corrosion happens everywhere**”.

Prof. Dr. Gregor Mori will report on the progress with arrangements for EUROCORR 2015.

7-3 ***EUROCORR 2016 - Montpellier (France) - Report on Preliminary Arrangements***

EUROCORR 2016 will be held on **11 - 15 September 2016** in **Montpellier**, France. The general theme will be “**Advances in Linking Science and Engineering**”.

Prof. Philippe Marcus will report on the initial preliminary arrangements for EUROCORR 2016.

7-4 ***EUROCORR 2017 - Prague (Czech Republic) - Initial Progress Report***

EUROCORR 2017 will be held on **3 to 7 of September 2017** in **Prague**, Czech Republic. The general theme will be “**Corrosion Control for Safer Living**”.

The organisers will report on the initial progress for EUROCORR 2017.

7-5 ***EUROCORR 2018 - Call for Bids***

Members will be reminded that bids to host **EUROCORR 2018** should be submitted in writing to the Frankfurt Office **by 15 January 2015** with a copy to the Scientific Secretary and the Paris Office.

7-6 ***Progress on the EFC Exhibition Task Force***

BoA Members are reminded that Mr. Don Harrop has accepted to chair the “*EFC Exhibition Task Force*” to improve the exhibitions at Eurocorr’s. Mr. Don Harrop will report on the progress of the work done so far, see **Appendix 12**.

Item 8 **EFC Events and Calendar of Events**

Appendix 13 provides an update of forthcoming events in the EFC Calendar, including Courses, prepared by the Scientific Secretary.

BoA Members are reminded that the Calendar of Events is regularly updated on the EFC website by Dechema and also includes non EFC-sponsored events in an attempt to draw outside interest to the EFC as a central source of information on corrosion events throughout the world. An application form is available in the restricted area for the BoA Members to apply for an EFC Event Number.

Item 9 Any other Business

Members are invited to raise any other matters.

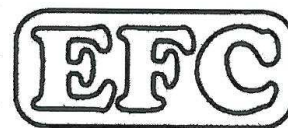
Item 10 Date and Place of next BoA

The next BoA meeting will be held in Spring 2015, at a time and place to be announced at a later date.

APPENDICES

Application to join the EFC from Fleming Europe (Event Production), Slovakia, as an Affiliate Member

FEDERATION EUROPEENNE DE LA CORROSION
 EUROPEAN FEDERATION OF CORROSION
 EUROPÄISCHE FÖDERATION KORROSION



Re: Affiliate Membership of the European Federation of Corrosion
 (Companies)

AFFILIATE MEMBERSHIP AGREEMENT

The European Federation of Corrosion (EFC)* grants Affiliate Membership of the EFC to:

EVENT PRODUCTION s.r.o.

(The Affiliate)

The Affiliate undertakes to support the aim of the EFC to advance the science of corrosion and protection of materials by promoting cooperation in Europe and collaboration internationally by providing financial support to EFC funds amounting to €1,530 for 2014.

In return for this contribution, the EFC undertakes to provide the following benefits to the Affiliate:

- Participation in EFC Working Parties (of which there are currently 20) as of right;
- Reduced registration fees at the EFC annual EUROCORR Conference;
- Discounted prices for EFC publications (of which there are now over sixty);
- Access to the restricted area of the EFC Website containing EFC Working Party minutes and the electronic proceedings of past EUROCORR Conferences;
- Participation in the EFC General Assembly (without voting rights).

Signed:

Date:

Post Held:

For the EFC

Signed:

[Signature]

Date:

3rd June 2014

Post Held:

EFC

For the Affiliate

* Subject to the approval of the EFC Board of Administrators and the EFC General Assembly

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 Fax: +49 69 7564 299

CV of Damien Féron proposed as Vice-President

Damien Féron

Birth date: February 11, 1952

CEA-Saclay, Bat 458, PC50,

91191 GIF-SUR-YVETTE, FRANCE

Phone: +33-1.69.08.20.65 - Fax : +33-1. 69.08.15.86

Email: damien.feron@cea.fr



Damien Féron is Director of Research at the Nuclear Energy Division of the French Atomic Energy and Alternative Energies Commission (CEA) since 2007. He has been nominated Professor at the INSTN (National Institute for Nuclear Science and Technology) in 2010. He is the deputy head of the “Corrosion Service” (Service of corrosion and materials behaviour in their environment – SCCME) since 2002 at CEA-Saclay. He has been previously head of the Laboratory of physico-chemistry and corrosion (LPCC / 1994-2001) at CEA-Fontenay-aux-Roses and deputy head of the Laboratory of corrosion technological testing (LETC / 1985-1994) at CEA-La Hague. He is working in the field of corrosion since more than 35 years, starting with liquid metal and moving towards aqueous media (including seawater corrosion and biocorrosion) and more generally involved today in the various fields of nuclear corrosion (metals and alloys in aqueous and non-aqueous environments).

Damien Féron graduated in chemical engineering at the “Institut du Génie Chimique” of Toulouse in 1976 and obtained a PhD on chemical engineering from the “Institut National Polytechnique de Toulouse ” (1979).

Damien Féron is member of several national and international societies, including CEFACOR, NACE, ISE and ICC. He has been involved in the activities of several EFC working parties (seawater, microbial induced corrosion,...) and has been elected in 2003 Chairman of the Working Party on nuclear corrosion (EFC WP4). He chaired the “Science and Technology Advisory Committee – STAC” between 2007 and 2013. In 2007, he received the “Grande Medaille” of the CEFACOR, and the NACE Fellows Honor in 2009.

He has organized directly or participated at the organization of national and internal workshops and congress. Besides Eurocorrs, he is involved for instance in the organization of the *International workshops on LWR coolant water radiolysis and electrochemistry* (every 2 years, called “RADEM”), of the *international conferences on Contribution of Materials Investigations to Improve the Safety and Performance of LWRs* (every 4 years – called “Fontevraud conference”). He founded in 2001 the *International Workshop on Prediction of Long Term Corrosion Behaviour in Nuclear Water Systems* in the framework of the EFC WP4 (every 2 or 3 years, called LongTermCorr, EFC events). He has been involved in other EFC events like NUCPERF and SACNU workshops.

He owns six patents; he is the author or the co-author of around 70 articles in international scientific and technical journals and of more than 100 papers presented during national and international conferences. He has been editor or co-editor of 17 books or special issues of journals (including 6 books in the EFC series), mainly in the field of biocorrosion, seawater corrosion and nuclear corrosion. He has been European Expert in the framework of 5th PCRD (N°EE19981A08400), 6th and 7th PCRD (N° EX2002B034225). He is/was member of the editorial board of “*Biofouling*” (2008-2012), “*Advances in Materials Science*” (Polish Science Academy) and “*Materials and Corrosion*”.

RULES FOR THE AWARD OF THE EUROPEAN CORROSION MEDAL (2013 Revision)

Founded and presented by the European Federation of Corrosion

AWARD

1. The purpose of the European Corrosion Medal is to recognise achievements by a scientist, or group of scientists, in the application of corrosion science in the widest sense. The recipient(s) must be of a nationality(ies) corresponding to one, or more, of the Member Societies of the EFC and the work must be conducted within a European country.
2. The award consists of a bronze medal, a diploma and a sum of EUR 1000.00.
3. The Medal is sponsored by EFC. The bronze medal has been donated by DECHEMA. The diploma has been donated by FFC. The sum of EUR 1000.00.- will be provided from the budget of the EFC.
4. The European Corrosion Medal shall be awarded in principle every year preferably on the occasion of the EFC Congress or the European Corrosion Meeting (EUROCORR).
5. The medal, including diploma and cheque, is handed over by the Chairman of BoA at the award ceremony.
6. On the occasion of the award ceremony the recipient of the European Corrosion Medal will give a lecture related to the work for which the medal was attributed.

DESIGNATION OF AWARD RECIPIENT

7. The Chairman of the Science and Technology Advisory Committee and members of the Jury for the Award are not eligible to be awarded the European Corrosion Medal.
8. The recipient of the award is designated by a Jury presided by the Chairman of the Science and Technology Advisory Committee (hereafter STAC). The Jury shall consist of the Chairman of STAC and three members nominated by STAC among its members. The Jury members stay in office until a recipient has been designated and has accepted the award.
9. The Jury meets in person, normally at the occasion of a BoA meeting preceding the date of the award ceremony by at least six months. The Jury members are convened by the EFC office in charge of administrative affairs related to the EFC medal at least 1 month in advance.
10. The decision of the Jury is by majority vote of the members present. The decision of the Jury is final. The BoA and the STAC are informed of its choice.
11. Any member society of EFC or individual associated with EFC shall make proposals to the Jury for recipients of the award. The EFC office in charge of administrative affairs related to the EFC medal writes to all member societies, WP Chairmen and former medallists at least 6 months ahead of the Jury meeting informing them of the award and asking for proposals. These Proposals have to be in writing addressed to the EFC office responsible for all administrative affairs related to the EFC medal. Written proposals must be received by the EFC office 2 months prior to the Jury meeting. They are forwarded to the Jury members at least one month ahead of the meeting of the Jury. In its selection of the award winner the Jury is restricted to the written proposals received.
12. If no suitable proposals have been received, the Jury may decide not to attribute the medal in a given year.

ADMINISTRATION

13. The Paris Office (FFC) is in charge of all administrative affairs related to the EFC medal.

EFC-NACE Memorandum of Understanding (MoU)**Memorandum of Understanding****European Federation of Corrosion****and****NACE International (NACE)*****1. Intent***

- 1.1. The intent of this Memorandum of Understanding (MOU) between the European Federation of Corrosion (EFC) and NACE International (NACE) is to outline the way in which the EFC and NACE will cooperate in programs as stipulated hereunder. This Cooperative Agreement supersedes any and all previous agreements and understanding between the two parties, whether verbal or written.
- 1.2. The EFC and NACE wish to formalize a cooperative relationship that is mutually beneficial to their respective members and will help to promulgate knowledge and technologies that protect people, assets and the environment from the effects of corrosion.

2. Cooperation on Conferences, Meetings and Exhibits***2.1. Registration***

- 2.1.1. NACE International shall provide two complimentary full conference registrations to designated representatives from the EFC to attend the annual NACE CORROSION conference and exhibit.
- 2.1.2. EFC shall provide two complimentary full conference registrations to designated representatives from NACE to attend the annual EUROCORR conference.

2.2. Conference Exhibits

- 2.2.1. NACE shall provide a complimentary 10x10 ft. exhibit booth to the EFC at the annual NACE CORROSION conference and exhibit. In

EFC-NACE Memorandum of Understanding (MoU) (Continued)

addition NACE will provide a table and two chairs for use in the booth.

2.2.2. EFC shall provide a complimentary 10x10 ft. (or metric equivalent) exhibit booth to NACE at its annual EUROCORR conference. In addition EFC will provide a table and two chairs for use in the booth.

2.3. NACE/EFC Collaboration Meetings

2.3.1. At each NACE Annual CORROSION conference and EFC EUROCORR conference, the event host shall organize a meeting between NACE and EFC representatives to explore current and future collaboration opportunities between the two organizations.

2.3.1.1. Recognizing that both EFC and NACE share a common goal of promoting corrosion prevention and control strategies, the two organizations agree to explore the development of joint corrosion conferences and exhibits.

2.4. Coordination of Meeting Calendars

2.4.1. EFC and NACE shall strive to avoid scheduling conflicts between conferences, meetings and events.

2.4.2. EFC shall submit to NACE and NACE agrees to incorporate these events in the master calendar available on the NACE website. Similarly, EFC agrees to post dates of NACE conferences and events on the EFC website.

3. Collaboration on Publications

3.1. Member Pricing of Publications

3.1.1. NACE and the EFC agree that there is benefit for our individual members and the members of our constituent organizations to have an agreement that offers discounts on publications.

EFC-NACE Memorandum of Understanding (MoU) (Continued)

3.1.2. EFC will grant a 20% price discount on EFC produced publications to all individual members of NACE.

3.1.3. NACE will grant individual members of EFC member organizations a 20% price discount on NACE produced publications, if in return the corresponding EFC member organizations also grant NACE a 20% price discount on their publications.

3.1.4. These publications are for individual personal use and are not to be used for resale.

3.2. Magazine, Journal, Newsletter Exchange

3.2.1. NACE agrees to provide one complimentary subscription to *Materials Performance* magazine to each EFC organization when requested. Each EFC member organization benefiting from this arrangement will provide NACE with a complimentary subscription to its own magazine or journal. In addition, EFC will provide NACE with a regular copy of its newsletter.

4. *Cooperation on Technical Activities*

4.1. Recognizing that both NACE and EFC have technical committees that meet to exchange technical information and produce standards and technical reports, NACE and EFC agree to ask technical activities coordinators to explore areas of potential cooperation and strive to produce products that are responsive to global industry needs and eliminate unnecessary duplication.

5. *Marketing Support*

5.1. Promotional Support

5.1.1. NACE and EFC agree to provide a reasonable amount of publicity and coverage of events and activities in their respective publications and websites, including but not limited to, conference & meeting programs and schedules, new product announcements, appointments and awards.

EFC-NACE Memorandum of Understanding (MoU) (Continued)

6. Agreement Term

- 6.1. This MOU is non-exclusive and will begin on the date on which both parties have signed it and continue for three years from that date.

7. Recognized Agents

- 7.1. The recognized agents and contacts for this agreement shall be the currently serving Chief Executive Officer of NACE and Scientific Secretary of EFC. The individuals currently occupying those positions are listed below. It is the responsibility of each organization to inform the other should their recognized agent change.

8. Parties Responsibilities

- 8.1. Each party agrees to faithfully carry out its obligations for the success of the programs listed above. Each party also agrees to be responsible for all of its own expenses incurred respective to the execution of this MOU, unless stipulated by a separate agreement.

- 8.1.1. Any communications in connection with this MOU shall be in writing in English and addressed to the parties of this agreement at the following addresses:

If to NACE:

NACE International
1440 South Creek Drive
Houston, TX 77084-4906 USA
Attention: Chief Executive Officer

And if to EFC:

European Federation of Corrosion
Theodor-Heuss-Allee 25
60486 Frankfurt a.M.
Germany
Attention: Scientific Secretary of EFC

EFC-NACE Memorandum of Understanding (MoU) (Continued)

The Parties hereto have caused this Memorandum of Understanding to be duly executed.

NACE International

BY  Date 5/15/2014

Its Robert H. Chalker
Chief Executive Officer

European Federation of Corrosion

BY  Date 15.05.2014

Its Dr. Roman Bender
Scientific Secretary of EFC

EFC Event n° 379 “Keeping your cool” - 13 and 14 November 2014)**Events****Keeping your cool**

Topics
 Paper submission
 Sponsoring & Exhibition Packages
 Dates to note
 Registration
 Information
 Meetings of partner organizations
 Events Archive

Continuing Education**Exhibition Congresses****Kolloquien****Keeping your cool**

13 - 14 NOVEMBER 2014, DECHEMA-HAUS, FRANKFURT AM MAIN/D

**European Meeting on Coatings for Process Industries**

Keeping your cool is a new conference series organised by DECHEMA e.V. aimed at presenting the latest developments in corrosion protection via coatings for process industry applications as well as process safety concerns. The emphasis on Keeping your cool is practicality and the conference also offers an excellent opportunity for networking with professionals from the coatings industry.

An extensive exhibition space featuring practical and trade based presentations and demonstrations will allow users from industry to connect with suppliers, consultants and peers across the corrosion protection sector and learn about how corrosion prevention methods can protect their assets and infrastructure into the future.

EFC Event n° 379 “Keeping your cool” - 13 and 14 November 2014) (Continued)

Highlights

- Comprehensive technical programme
- Live exhibitor product and service demonstrations
- Individual exhibitor rooms for product presentations and customer consultation
- Relaxed social gathering after first day at conference venue

Who should attend

- Coating applicators and inspectors
- Coating manufacturers and distributors
- Process safety engineers
- Corrosion and construction engineers

Important Dates

- Call for papers: submission no later than **11 July 2014**
- **Registration for participation is open now!**
- Notification of Acceptance August 2014

Events

Keeping your cool

Topics

Paper submission
Sponsoring & Exhibition Packages
Dates to note
Registration

Information

Meetings of partner organizations

Events Archive

Topics

Session themes

Following is a list of some of the themes that will be explored at the meeting:

- Corrosion under insulation
- Process safety and corrosion
- Fire proofing

Report of the Scientific Secretary to the Board of Administrators
(Period March 2014 to July 2014)

At the start of February, I composed the first draft of the scientific programme of the upcoming EUROCORR 2014, it was circulated by the DECHEMA Conference Office mid-February. I was also involved in the arrangements to host the meetings of the EUROCORR 2014 Paper Selection Meeting in Milan on 24 March which of course I attended. The draft scientific programme, which was prepared by the EFC Congress Office in Frankfurt, of which I belong to, was discussed and finalised. As usual, some changes had to be implemented in the weeks after that meeting due to changes that were discussed during the meeting and needed to be clarified.

On 25 March I participated in EFC BoA Meeting in Milan as well. During the BoA Meeting the new version of the Memorandum of Understanding (MoU) between EFC and NACE was discussed. The main controversial subject between NACE and EFC concerned the discount on NACE publications for the EFC International Members. During a meeting at the CORROSION 2014 in San Antonio this item was addressed and NACE finally agreed on a discount of 20 % for all EFC members. After the BoA Meeting I changed the MoU according to the discussion and resumed negotiation with NACE, especially Bob Chalker (CEO, NACE International). After minor changes were included by NACE and EFC, the President of the EFC finally gave his approval that the MoU be signed by the Scientific Secretary (EFC) and Bob Chalker (NACE).

During the same meeting a new agreement between EFC and Elsevier was discussed. After Elsevier acquired Woodhead, I had some negotiations with Francis Dodds, still the contact person in the new Elsevier/Woodhead group. At the end we found a solution that was perfect for EFC and Elsevier. The agreement was signed by the EFC President the same day.

The minutes of the last Strategic Group Meeting (Paris, 9 January) served as the agenda for the Strategic Group Meeting on 3 July held in Paris, too. I took the minutes and sent them out mid-July to the group members asking for remarks and additions as these minutes should provide the basis for discussion on the strategic plan for the next five years.

I was part of the meeting of the EFC President's Advisory Committee on 4 July. I reported on the progress of the EFC and NACE Memorandum of Understanding and other actions that were carried out in the Frankfurt Office.

Starting early June I contacted the Working Party Chairs on a regular basis asking for any news to be put on the website and announced the upcoming STAC Meeting during the EUROCORR in Pisa. In this e-mail communication the respective WP Activity Reports 2013 were included with the request to update these for the time period from September 2014 until August 2016.

Together with my colleague Dagmar Glänzer, we drew up an initial agenda and the Working Papers for the upcoming STAC Meeting in Pisa. After the new STAC Chairman Arjan Mol agreed upon the content, the documents were circulated at the end of July to all Working Party Chairs.

Much time has been occupied with administrative matters, including the allocation of EFC Event numbers, the maintenance of the EFC Calendar and asking the WP Chairs for press releases for the three EFC journals. I also tried to encourage the people who had applied for an EFC event number to deliver a report of events.

Roman Bender
EFC Scientific Secretary
July 2014

EFC Public Relations Officer Activity Report
(Period March 2014 to July 2014)

1. Produced (**available on the EFC Website Home Page**) April 2014 EFC e-newsletter for Corrosion Awareness Day which, amongst other news, announces the *forthcoming* events in the EFC calendar, including select EUROCORR Pisa joint-sessions.
2. Attended EFC Board of Administrator's Meeting in Milan in March presented Public Relations Officer Report for period Sept.-Feb. 2014
3. Secured sponsorship from U.S. Office of Naval Research Global for EUROCORR Pisa to support Italian students and Dr. Raluca Fako of the Romanian Center of Technology & Engineering for Nuclear Projects (CITON) to attend.
4. Coordinated with, and solicited membership, of Dr. D.C. Agarwal, Director of Manipal University Jaipur, India who works in Navy and Defense research th ONRG, and who is interested in collaborating with EFC people under a project working in the R&D area of Marine protective Coatings.
5. Arranged for WP 22 Corrosion in Aerospace Vice-Chair Mikhail Zheludkevich, Chairman of A.S.S.T. Aluminium Surface Science Technology 2015 congress to advertise the congress via the EFC through promotional materials.
6. Arranged for EUROCORR Pisa EFC Booth (with furniture!)
7. Communication with Maney/Woodhead regarding the distribution of past, present and future Maney/Woodhead EFC Greenbooks.
8. Secured newest EFC Affiliate *Corporate* member Fleming Europe, a "pan-European networking channel" that organizes over 100 events and educational courses, Masterclasses and specialty training courses in the Energy, Oil and Gas, Aerospace, Defense, Pharma, Finance and Telecommunications sectors in Europe and abroad.
9. Continuous contact with UK member societies IOM3's Corrosion Committee Chair Prof. John Sykes and Institute of Corrosion (ICORR) President Trevor Osborne to strengthen EFC-UK relations and disseminate EFC activities to report at their national meetings.
10. Attended President's Advisory Committee meeting and Group Strategy Meetings at EFC Paris headquarters in July.
11. Correspondence with Australian Corrosion Association's new marketing contact regarding EFC benefits and how to best publicize them with their members.
12. Researched, made contact with, and compiled an enlarged database (13 at present) with EFC Member Society's Journal Editors to propose partnership with the EFC to include updated news and Eurocorr reports.
13. Wrote updated Press Release containing updated news on EUROCORR and profile of WP 15 Corrosion in the Refinery Industry in collaboration with WP Chairman Francois Ropital which were sent to EFC Partner Journals.
14. Produced (researched, gathered information, wrote up) hardcopy EFC newsletter that will be distributed at EUROCORR Pisa.

Juliet Ippolito
 Public Relations Officer
 July 2014

EFC Member Society Questionnaire

Questionnaire EFC Member Societies

Details of your Society

Name of society in the language of your country:

Preferred English translation: _____

Address of Society: _____

E-mail: _____

Telephone/Fax: _____

Website: _____

Does your Society have a permanent staff? ☐ YES ☐ NO

Number of employees: _____

Name of your (☐ paid ☐ unpaid) Chief Executive? _____

Is this person the main EFC contact and Society representative in the EFC General Assembly?

☐ YES ☐ NO

If no, please add details of the main EFC contact person:

☐ Male / ☐ Female Title _____

Last Name _____ First Name _____

Address (if different from Society's address): _____

E-mail: _____

Telephone/Fax: _____

Should the EFC Membership fee invoice also be sent to this person? ☐ YES ☐ NO

If no, please name the addressee for the EFC membership invoice:

Address (if different from Society's address): _____

EFC Member Society Questionnaire (Continued)

What are the main aims of your Society? *(Please tick)*

- ☐ knowledge transfer;
- ☐ organisation of conferences/courses/seminars/workshops/exhibitions;
- ☐ corrosion projects, expertise;
- ☐ cooperation with other organisations/industry;
- ☐ participation in/review of national/industrial regulations/standards for corrosion;
- ☐ certification of professionals (inspectors, experts, other) in the field of corrosion
(If so, please specify) _____;
- ☐ company accreditation in the field of corrosion *(If so, please specify)*
_____;
- ☐ other *(please specify)* _____.

Society membership

Number of members: _____

Approx. number of individual members: _____ of corporate members: _____

Approx. percentage of members from industry: ____ %
from academia: ____ %

Annual membership fee:

Corporate member: EUR _____ Other currency _____

Individual member: EUR _____ Other currency _____

Student member: EUR _____ Other currency _____

How often is your membership fee revised (e.g. every year)? _____

Is the fee

- a fixed amount (based on the Society's administrative costs) ☐
- or
- scaled amount ☐

If scaled, please specify criteria: _____

Is there a discount for membership in another organisation (e.g. national chemical society)?

☐ YES ☐ NO If so, how much (% / EUR): _____

What benefits do you offer your members? *(Please tick)*

- ☐ participation in scientific/technical working parties;
- ☐ participation in local/national/international projects;
- ☐ special service and activities for young scientists and/or students;
- ☐ involvement in the organisation of conferences/courses/seminars/workshops/exhibitions;
- ☐ participation in conferences/courses, etc. at a reduced fee;

EFC Member Society Questionnaire (Continued)

- ☐ Society journal (scientific), available to members at reduced or no cost;
- ☐ Society newsletter or Society news in journal, or scientific/technological news on the website;
- ☐ restricted access area for members;

If applicable, what information is available in the restricted access area:

Is the link to EFC's restricted access area for EUROCORR proceedings included in the restricted access area for your members? ☐ YES ☐ NO

- ☐ link from the Society's website to member's website;
- ☐ discussion forum on the website;
- ☐ other (*please specify*) _____.

Relationship with EFC

Do you consider you are sufficiently informed about the activities of EFC and its Working Parties?

☐ YES ☐ NO

If no, in which area would you like to receive more information? (*Please tick*)

- ☐ EFC strategy
- ☐ general EFC matters
- ☐ events organised by EFC: ☐ EUROCORR
 - ☐ Events with EFC event number
 - ☐ Courses with EFC event number
- ☐ Working Party activities
- ☐ EFC publications ('Green Book' series)
- ☐ other (*please specify*) _____

Do you send delegates to the EFC General Assembly at EUROCORR every year/regularly?

☐ YES ☐ NO

Do you send delegates to EFC Working Parties? ☐ YES ☐ NO

If no, what are the reasons?

Do you apply for EFC event numbers? ☐ YES ☐ NO

Do you apply for EFC course numbers? ☐ YES ☐ NO

Do you notify EFC of your conferences/workshops/courses for inclusion in the EFC calendar?

☐ YES ☐ NO

Would you wish EFC to forward such information to WCO (World Corrosion Organisation) for inclusion in its worldwide Calendar of Events? ☐ YES ☐ NO

EFC Member Society Questionnaire (Continued)

Do you cooperate with other EFC Member Societies? ☐ YES ☐ NO

Would you like EFC to contact your members directly by e-mail, e.g. EFC e-Newsletter?

☐ YES ☐ NO

In what way could EFC foster corrosion awareness in your country? *(Please tick)*

- ☐ internet platform for questions / corrosion experts;
- ☐ preparation of roadmap(s);
- ☐ corrosion science forum;
- ☐ involvement of companies from your country working in the field of corrosion;
- ☐ translation of standards into different languages;
- ☐ other *(please specify)* _____

In what way could EFC benefit your Society? *(Please tick)*

- ☐ organisation of corrosion events / exhibitions / certification courses in your country;
- ☐ promotion of Society activities in the field of corrosion;
- ☐ assistance in creating/maintaining an English language website;
- ☐ other *(please specify)* _____

What other EFC activities/initiatives would you consider useful for your Society?

Do you know the following benefits that come with an EFC Membership? *(Please tick)*

Working Parties Activities:

- ☐ Appointment of delegates to EFC's 20 working parties, including the possibility of a delegate to become a future Working Party Chairman and/or to organise special topic sessions at EUROCORR;
- ☐ Appointed delegates have access to the restricted areas of the EFC Working Party pages on the EFC website which contain specific documents such as unconfirmed meeting minutes, the databank of WP members with their contact details, etc.

Congress and Exhibition advantages:

- ☐ Organisation of congresses, symposia and courses with EFC endorsement and logo;
- ☐ Reduced registration fee of the society's members at annual EUROCORR;
- ☐ Reduced registration to all EFC-sponsored events (with assigned event number);
- ☐ Discounts on exhibitor booths at annual EUROCORR conferences;
- ☐ European Member Societies: eligibility to bid to become EUROCORR host organiser.

Publications:

- ☐ 30% discount for all society members on purchase of our 60+ EFC publications;
- ☐ Online access to the proceedings of past EUROCORR conferences through your society's restricted area;
- ☐ Possibility of co-authorship and publishing contributions to "European Federation of Corrosion Publications" (EFC "Greenbook" Series) and to partner Journals such as "Materials and Corrosion" and "Corrosion Engineering, Science and Technology", including joint-publications with NACE.

EFC Member Society Questionnaire (Continued)

EFC Administration:

- ☐ Participation in the EFC General Assembly with voting rights;
- ☐ Opportunity to nominate candidates for EFC awards and medals;
- ☐ Opportunity to nominate candidates for election to the EFC Board of Administrators and the Science & Technology Advisory Committee;
- ☐ Availability of Affiliate Membership of the World Corrosion Organization (WCO) under the EFC-WCO agreement at no additional cost subject to the approval of the WCO Board of Administrators and the WCO General Assembly;
- ☐ Access to your organisation's website directly from the EFC Website

Advertising:

- ☐ Listing, advertising and promotion of any of your society's corrosion-related events in our continually-updated EFC "Calendar of Events" which is posted on our website and included in both our electronic and hard-copy newsletters distributed at EUROCORR.
- ☐ Free promotional write-ups of your society's past corrosion-related events in our EFC Newsletters that are circulated in hard-copy at annual EUROCORR conferences and are also sent electronically to over 2,500 corrosionists in our EFC database by our EFC Frankfurt headquarters.

In view of the benefits do you consider the 2014 EFC fees (European or International Members: €1.670, Affiliate Members (Companies): €1.530, Affiliate Members (Universities and Research Organisations): €1.020) reasonable? ☐ YES ☐ NO

EUROCORR

Would EUROCORR improve if there were

- ☐ more application-oriented lectures?
- ☐ more exhibitors?
- ☐ pre-conference courses, e.g. on materials selection?
- ☐ job forum especially for small and medium-sized companies?
- ☐ other (*please specify*) _____.

Do you consider EUROCORR would be more attractive if Member Societies were more visible by

- ☐ holding keynote lectures/lectures during sessions/workshops on special topics;
- ☐ organising sessions/workshops on their activities;
- ☐ presenting the Society's activities at a (joint) booth/networking area;
- ☐ other (*please specify*) _____.

Further suggestions:

EFC Partner Journals

COUNTRY	JOURNAL	EFC MEMBER SOCIETY	CONTACT	E-MAIL and WEBSITE
Sweden	Corrosion News	SWEREA-KIMAB	Margaretha Sonnergaard/	corrosionnews@swerea.se www.swwereakimab.se
UK 1	Materials, Science and Technology	IOM3/C.C.	Emma Leighton	E.Leighton@maneypublishing.com www.maneyonline.com/loi/mst
UK 2	Corrosion Management	Institute of Corrosion (ICorr)	Debbie Hardwick	debbie@squareone.co.uk www.icorr.org/magazine/
Italy	La Metallurgia Italiana	AIM	Antonella Donzelli	met.aim@aimnet.it, adonzelli@yahoo.com www.metallurgia-italiana.net/eng/rivista.php
Holland 1	Procesinfra Uptime	Bond voor Materialenkennis	Edward Uittenbroek	uittenbroek@procesinfra-uptime.com www.procesinfra-uptime.com
Holland 2	Oppervlaktetechnieken			
Australia	Corrosion and Materials	ACA	Tracy Winn	twinn@corrosion.com.au www.corrosion.com.au/Publications/CMIssues
Poland	“Ochrona przed Korozja”	PSK	Malgorzata Smieszek- Glanc	glanc@ochronapzedkorozja.pl www.ochronapzedkorozja.com
Portugal 1	Corrosão e protecção dos materiais	SPM	Teresa Cunha Diamantino	teresa.diamantino@lneg.pt www.lneg.pt/iedt/unidades/21/paginas/126
Portugal 2	Corrosão e protecção dos materiais	SPM	Manuela Oliveira	Manuela.oliveira2@gmail.com www.scielo.oces.mctes.pt
Germany	Materials & Corrosion	GfKORR	Roman Bender	bender@dechema.de www.onlinelibrary.wiley.com
France	Materiaux et Techniques	CEFRACOR	Ariana Fuga	ariana.fuga@edpsciences.org www.mattech-journal.org
U.S.A.	Materials Performance Journal	NACE	Getchen Jacobson	Gretchen.jacobson@nace.org www.nace.org/MaterialsPerformance

EFC Partner Journals (Continued)

The European Federation of Corrosion is the largest corrosion organisation in Europe and in the world, dedicated to advancing the science and engineering of corrosion and the protection of materials. It represents over 30 national societies and affiliate members from 25 European countries with an increasing number of international members from outside of Europe. Its three secretariats are located in London, Paris and Frankfurt and its activities are carried out through its 20 working parties of corrosion specialty areas.

EUROCORR is the EFC's annual flagship event and has become one of the biggest corrosion congresses in the world.

**EFC WORKING PARTY 15:
CORROSION IN THE REFINERY INDUSTRY**

Chairman: Francois Ropital, IFP Energies nouvelles,
BP3, 69360 Solaize France

Email: francois.ropital@ifpen.fr

Vice Chairman: Henrie De Bruyn, Saudi Aramco

Email: hendrik.debruyne@aramco.com

ACTIVITIES:

Information Exchange

- Sharing of refinery materials /corrosion/ inspection experiences by operating company representatives

Forum for Technology

- Sharing materials/ corrosion/ protection/ monitoring information by providers, users, R&D.

Scientific exchange

- Sharing materials/ corrosion/ protection scientific works.

Development of documents, guidelines, publications related to corrosion in the refinery industry.

STRATEGY:

Survey of corrosion problems in refinery industry.

The group will collect information first on hydrotreatment and hydrocracking units, then processes as FCC, Catalytic reforming, Distillation, Sulfur plant, Alkylation, Sour water stripper will be considered, Stress relaxation cracking. Guideline and publication will be issued.

Corrosion under insulation (new EFC Guideline n°55).

Failure cases presentations and discussions.

Corrosion resistant materials

Presentation and discussion on new CRA materials for refinery application.

Corrosion by sour waters (SSC, SOHIC)

INHIBITORS

Monitoring of corrosion

Inspection

PUBLICATIONS

- EFC Book 40 "Requirements for cooling water systems"
- EFC Book 42 "Collection of Selected Papers"

- EFC Book 46 "Amine Unit Corrosion Survey"

- EFC Book 55 "Corrosion under insulation"

NEXT PLANNED PUBLICATION:

Corrosion Under Insulation – Revision of EFC Guidelines.

A revision of the current guidelines is deemed as being timely and useful,

particularly for old equipment that will not be covered by future ISO standards.

The revision is in progress and proposals of modifications have been received for the different chapters. Stefan Winnik will prepare a draft of the complete revised document for its examination during the April 2014 WP15 Spring meeting.

DATE AND PLACE OF NEXT MEETING:

Spring meeting: April 8th 2014 Mechelen (Brussels) – Belgium Annual meeting during EUROCORR 2014 Congress in Pisa (Italy) 8-12 September 2014.

Excerpts from this past September 5th meeting minutes at EUROCORR 2013 in Estoril can be found on the EFC website. (file "Minutes of the 12 September 2012 meeting" enclosed).

For further details and minutes of Working Party activities on Corrosion in the Refinery Industry please refer to the WP 15 webpages on the EFC website: www.efc.org

EUROCORR 2014 September 8-12 Pisa, Italy

The Call is Now Open!

Abstract submission instructions and the submission tool can be found online at www.eurocorr2014.org



For membership inquiries contact: Juliet Ippolito, juliet@unina.it

EFC Partner Journals (Continued)


**EUROCORR 2014
EUROPEAN
CORROSION
CONGRESS**

8-12 September 2014
Pisa · Italy

www.eurocorr2014.org

Contacts:
EUROCORR 2014
ASSOCIAZIONE ITALIANA
DI METALLURGIA

P.le R. Morandi, 2
20121 Milano, Italy
phone +39 0276021132
fax +39 0276020551
e-mail: eurocorr2014@aimnet.it

European Federation of Corrosion
Event nr. 364






This September, **EUROCORR 2014** will be proudly hosted by EFC Italian member society AIM, the Italian Metallurgical Association, in Pisa, Italy. This year's theme, *Improving materials durability: from cultural heritage to industrial applications* will focus on the critical role that corrosion science, technology and engineering plays in extending the life of materials from both technical-scientific and practical applications starting with materials used in the past up to those destined for modern industry.

The ancient maritime republic of Pisa ruled the Tyrrhenian sea in the 11th century and is located in the region of Tuscany, birthplace of the Italian Renaissance. Its prestigious university system includes the Napoleonic *Scuola Normale Superiore di Pisa* and has bred the great scientific minds of Galileo, Fibonacci, Pacinotti and Enrico Fermi and so its world-famous Leaning Tower, a supreme symbol of durability, makes Pisa a most befitting setting for EUROCORR 2014.

A dynamic state-of-the-art scientific program is in store for you with circa 480 presentations and circa 230 posters exhibited. Authors have now been notified and the complete Scientific Program including all 20 Working Party sessions, joint-sessions, workshops, ISO meetings and courses can be found on the EUROCORR website at: <http://www.eurocorr2014.org/>

Important Dates:

Deadline for Early and Promo Registration fees: **June 16, 2014**

Deadline for submission of full manuscripts: **June 25, 2014**

Remember that all members of EFC member societies receive a €90 euro discount off the registration fee.

Congress registration includes a welcome cocktail, poster party and all lunches and coffee breaks for the duration of the congress. The special Promo registration includes the Gala Dinner.

To register for EUROCORR 2014 <http://www.eurocorr2014.org/registration.htm>

EFC FINANCE REPORT - Status of subscriptions paid by EFC Member Societies

EUROPEAN FEDERATION OF CORROSION

Summary of subscriptions for 2013 (updated 15 July 2014)

Treasurer's report to PAC
Page 1

COUNTRY	SOCIETY	Fees 2013	Arrears b/fwd	CYr subs received	Arrears received	Write off	Owing at 27/06/14	Type of member	Comments
		€	€	€	€	€	€		
Austria	The Austrian Society of Metallurgy & Materials	1 640,00		1 640,00			0,00	Smaller	Received 27/06/2013
Belgium	CEBELCOR	1 640,00		1 640,00			0,00	Full	Received 03/01/2014
Finland	FINNCORR	1 640,00	1 614,00	1 640,00	1 614,00		0,00	Full	€1,640 received 27/06/2013
France	CEFRACOR	1 640,00		1 640,00			0,00	Full	
France	Federation Francaise pour les sciences de la Chimie	1 640,00		1 640,00			0,00	Full	
Germany	GfKORR	1 640,00		1 640,00			0,00	Full	Received 27/06/2013
Germany	DECHEMA eV	1 640,00		1 640,00			0,00	Full	
Italy	Associazione Italiana di Metallurgia AIM	1 640,00		1 640,00			0,00	Smaller	
Italy	AITIVA	0,00					0,00		Cancelled membership 19/11/12
Norway	Norsk Korrosjonsteknisk Forening	1 640,00	3 181,00	1 640,00	3 181,00		0,00	Full	Received Sep 2013
Portugal	National Laboratory of Energy and Geology	0,00	1 496,00		1 496,00		0,00		Cancelled membership
Portugal	Sociedade Portuguesa de Materiais	1 640,00		1 640,00			0,00	Smaller	
Spain	Sociedad Espanola de Qumica Industrial	1 640,00		1 640,00			0,00	Smaller	Resigned 31/12/2013
Sweden	Swedish Corrosion Institute	1 640,00	1 614,00	1 640,00			1 614,00	Full	Received 13/09/2013
Switzerland	SGO	1 640,00		1 640,00			0,00	Smaller	Received 01/07/2013
UK	Institute of Corrosion	1 640,00		1 640,00			0,00	Full	
UK	The Institute of Materials	1 640,00		1 640,00			0,00	Full	
Croatia	Croatian Society for Materials Protection	1 640,00	2 348,00	1 640,00	2 348,00		0,00	Smaller	€640 received 30/08/2013 €1000 received 23/12/2013
Czech Repub.	Czech Association of Corrosion Engineers	1 640,00	1 496,00	1 640,00	1 496,00		0,00	Smaller	€1,640 received 02/07/2013
Hungary	Hungarian Corrosion Society	1 640,00					1 640,00	Smaller	
Poland	Polskie Stowarzyszenie Korozyjne	1 640,00		1 640,00			0,00	Smaller	
Slovenia	Institute of Metals and Technologies	1 640,00	6 808,00				8 448,00	Smaller	Has not paid for many years
Ukraine	Ukranian Association of Corrosionists	1 640,00	1 496,00				3 136,00	Smaller	Has not paid for many years
Romania	Corrosion Comm. of the Romanian Academy	0,00					0,00		
Russia	ANTI KOR – Int. Sci. & Educ. Corr. Centre	1 640,00		1 640,00			0,00	Full	

EFC FINANCE REPORT - Status of subscriptions paid by EFC Member Societies (Continued)**EUROPEAN FEDERATION OF CORROSION**

Treasurer's report to PAC

Summary of subscriptions for 2013 (updated 15 July 2014)

Page 1

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		€	€	€	€	€	€		
Turkey	The Corrosion Association	1 640,00	1 496,00	1 496,00			1 640,00	Smaller	€1,496 received 05/07/13 (note 3)
Albania	Albanian Corrosion Society	1 640,00	4 068,00				5 708,00		Has not paid for two years
Czech Repub.	Svuom S.R.O.	1 640,00	2 848,00				4 488,00	Smaller	Has not paid for many years
Israel	Campi	1 640,00	4 068,00				5 708,00	Int'l	See note 1. 2013 invoice raised
Poland	Gdansk University of Technology	1 000,00		1 000,00			0,00	Affil.	
Europe	NACE Europe	1 640,00	1 614,00	1 640,00	1 614,00		0,00	Full	Received 19/06/2013
Belgium	University of Mons	1 000,00	1 000,00	1 000,00	1 000,00		0,00	Affil.	Received 18/07/2013
Germany	Sulzer Metco Europe GmbH	1 500,00		1 500,00			0,00	Company	Received 28/06/2013
Libya	Libyan Corrosion Society	1 000,00	2 000,00				3 000,00	Affil.	
Netherlands	Stopaq BV	1 000,00		1 000,00			0,00	Affil.	
Russia	VIAM	1 000,00		1 000,00			0,00	Affil.	
Netherlands	Bond voor Materialenkennis	1 640,00		1 640,00			0,00	Full	50% membership 2011 2012
Serbia	Engineers Society of Corrosion	1 640,00	2 848,00				4 488,00		See note 2.
Russia	SOPCOR	1 640,00		1 640,00			0,00	Full	50% membership 2011 2012
Denmark	ATV-SEMAPP	820,00		820,00			0,00	Full	50% membership 2012 2013
Australia	The Australasian Corrosion Association Inc	820,00		820,00			0,00	Int'l	Received 28/08/2013
Brazil	ABRACO	820,00					820,00	Int'l	50% membership 2012 2013
Italy	APCE	820,00		820,00			0,00	Full	50% membership 2012 2013

58 980,00	39 995,00	45 536,00	12 749,00	0,00	40 690,00
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- Note 1 CAMPI has not paid for many years. In March 2013, Amir Eliezer said he was waiting response to query raised at GA 2011 and finding difficulty paying higher annual subscriptions
- Note 2 Serbia has not paid for 2011 and 2012. In March, Caslav Lacnjevac acknowledged debt but could not pay. Have unsuccessfully applied for Government funding and seek other means. **Total due €4,488**
- Note 3 Turkey's 2012 subscription to be paid by Eurocorr organiser. We have invoiced the organiser and chased the debt.

EFC FINANCE REPORT - Status of subscriptions paid by EFC Member Societies (Continued)

EUROPEAN FEDERATION OF CORROSION

Summary of subscriptions for 2014 (updated 15 July 2014)

Treasurer's report to PAC
Page 1

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		€	€	€	€	€	€		
Austria	The Austrian Society of Metallurgy & Materials	1 670,00		1 670,00			0,00	Smaller	
Belgium	CEBELCOR	1 670,00					1 670,00	Full	
Finland	FINNCORR	1 670,00		1 670,00			0,00	Full	
France	CEFRACOR	1 670,00		1 670,00			0,00	Full	
France	Federation Francaise pour les sciences de la Chimie	1 670,00		1 670,00			0,00	Full	
Germany	GfKORR	1 670,00		1 670,00			0,00	Full	
Germany	DECHEMA eV	1 670,00		1 670,00			0,00	Full	
Italy	Associazione Italiana di Metallurgia AIM	1 670,00		1 670,00			0,00	Smaller	
Norway	Norsk Korrosjonsteknisk Forening	1 670,00					1 670,00	Full	
Portugal	Sociedade Portuguesa de Materiais	1 670,00		1 670,00			0,00	Smaller	
Spain	Sociedad Espanola de Qumica Industrial	1 670,00					1 670,00	Smaller	Resigned 31/12/2013
Sweden	Swedish Corrosion Institute	1 670,00	1 614,00				3 284,00	Full	
Switzerland	SGO	1 670,00					1 670,00	Smaller	
UK	Institute of Corrosion	1 670,00		1 670,00			0,00	Full	
UK	The Institute of Materials	1 670,00					1 670,00	Full	
Croatia	Croatian Society for Materials Protection	1 670,00		500,00			1 170,00	Smaller	
Czech Repub.	Czech Association of Corrosion Engineers	1 670,00		1 670,00			0,00	Smaller	
Hungary	Hungarian Corrosion Society	1 670,00	1 640,00				3 310,00	Smaller	
Poland	Polskie Stowarzyszenie Korozyjne	1 670,00		1 670,00			0,00	Smaller	
Slovenia	Institute of Metals and Technologies		8 448,00				8 448,00	Smaller	See Note 1
Ukraine	Ukranian Association of Corrosionists		3 136,00			3 136,00	0,00	Smaller	See Notes 1 and 5
Russia	ANTIKOR – Int. Sci. & Educ. Corr. Centre	1 670,00					1 670,00	Full	
Turkey	The Corrosion Association	1 670,00	1 640,00				3 310,00	Smaller	See Note 2
Albania	Albanian Corrosion Society		5 708,00			5 708,00	0,00		See Notes 1 and 5
Czech Repub.	Svuom S.R.O.		4 488,00			4 488,00	0,00	Smaller	See Notes 1 and 5
Israel	Campi		5 708,00			5 708,00	0,00	Int'l	See Notes 3 and 5

EFC FINANCE REPORT - Status of subscriptions paid by EFC Member Societies (Continued)**EUROPEAN FEDERATION OF CORROSION**

Treasurer's report to PAC

Summary of subscriptions for 2014 (updated 15 July 2014)

Page 1

COUNTRY	SOCIETY	Fees 2014	Arrears b/fwd	CYr subs received	Arrears received	Write off	Owing at 15/07/14	Type of member	Comments
		€	€	€	€	€	€		
Poland	Gdansk University of Technology	1 020,00		1 020,00			0,00	Affil.	
Europe	NACE Europe	1 670,00					1 670,00	Full	
Belgium	University of Mons	1 020,00					1 020,00	Affil.	
Germany	Sulzer Metco Europe GmbH	1 530,00					1 530,00	Company	
Libya	Libyan Corrosion Society	1 020,00	3 000,00				4 020,00	Affil.	
Netherlands	Stopaq BV	1 530,00					1 530,00	Affil.	
Russia	VIAM	1 020,00					1 020,00	Affil.	
Netherlands	Bond voor Materialenkennis	1 670,00		1 670,00			0,00	Full	
Serbia	Engineers Society of Corrosion		4 488,00			4 488,00	0,00	Smaller	See Notes 4 and 5
Russia	SOPCOR	1 670,00					1 670,00	Full	
Denmark	ATV-SEMAPP	1 670,00		1 670,00			0,00	Full	
Australia	The Australasian Corrosion Association Inc	1 670,00					1 670,00	Int'l	
Brazil	ABRACO	1 670,00	820,00				2 490,00	Int'l	
Italy	APCE	1 670,00		1 670,00			0,00	Full	
Serbia	Serbian Society of Corrosion & Materials Protection	835,00					835,00	Full	50% Reduction 2014 and 2015
Belgium	VOM vzw	835,00		835,00			0,00	Full	50% Reduction 2014 and 2015
Spain	SOCIEMAT	835,00		835,00			0,00	Full	50% Reduction 2014 and 2015
Portugal	Sociedade Portuguesa de Materiais	16 710,30		16 710,30			0,00	Levy	
Germany	DECHEMA Ev	2 092,70		2 092,70			0,00	Surplus	
		75 208,00	40 690,00	45 373,00	0,00	23 528,00	46 997,00		

Note 1 Stopped paying their membership but not formally excluded

Note 2 To be paid by Eurocorr organiser

Note 3 CAMPI has not paid for many years. In March 2013, Amir Eliezer said he was waiting for a response to query raised at GA 2011 and finding difficulty paying higher annual subscriptions

Note 4 Serbia has not paid for 2011 and 2012. In March, Caslav Lacnjevac acknowledged debt but could not pay. Have unsuccessfully applied for Government funding and seek other means. Total due €4488

Note 5 Membership terminated and arrears written off in July 2014

EUROCORR 2014 REPORT FORM 1 (To be completed before the event)

DATES OF EVENT	8-12 September 2014	VENUE	Pisa (Italy) – Palazzo dei Congressi
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OVERALL THEME OF THE CONFERENCE:

<i>Improving materials durability: from cultural heritage to industrial applications</i>
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ANTICIPATED NUMBERS OF DELEGATES:

CATEGORY	REGISTRATION FEES (ex. VAT)	TARGET NUMBERS
Committee Members, etc. (Invited)	0	56
Invited Speakers (of which 2 medals winners)	0	3
Member Authors	700	100
Non-Member Authors	790	257
Members	700	56
Non-Members	790	99
Students	280	155
AIM Junior members	0	8
Exhibitors	0	56
One-day (of which 16 speakers)	290	28
Total:		818

Total number of complimentary registrations

123

ITEMS INCLUDED IN THE FEES:

- Admission to all Congress Sessions, Poster Sessions and Exhibition - Congress bag with Book of Abstracts and Congress Proceedings (both on USB-flash drive) - Welcome Cocktail, Poster Party, Lunches and Coffee Breaks - for Non-members registration fees include AIM (EFC) membership for the last quarter of 2014 and for the year 2015.

NUMBERS OF PAPERS:

ORAL PRESENTATIONS	462
PLENARY LECTURES	3
KEYNOTE PRESENTATIONS	9
POSTERS	174
TOTAL	648

TOTAL NUMBER OF TOPICS	30
NUMBER OF PARALLEL SESSIONS	10+10+9+9

Progress on EFC Exhibition Task Force

EFC Exhibition Task Force BoA BRIEFING PAPER

PREAMBLE

The EFC Exhibition Task Force was set up in September 2013 at the request of BoA and direction of the EFC President following a preliminary review¹, with the following remit:

To provide BoA and the STAC with a balanced briefing paper as a basis for the EFC to establish a forward strategy and positioning with regard to the possibility of running a successful, sizeable, commercially viable and sustainable Europe corrosion science, technology and engineering based exhibition.

Implicit in the objective is consideration of running the exhibition concurrent with the annual EUROCORR conference or standalone; and, either organised as a wholly EFC run event or jointly with a kindred scientific and technical professional body. Past NACE International reciprocity meetings have raised interest by NACE in holding a jointly organised larger Europe based exhibition.

The Task Force members are:

- Philibert de Bonnafos (Trenton Europe)
- Fouzia Hannour (Tata Steel)
- Don Harrop (retired, BP Exploration)
- Patrice Houille (PP SAS Corrosion Service)
- Willie Meier (Dechema e.V.)

LANDSCAPE

Summary of a SWOT analysis conducted by the TF is given in Annex 1. In reflecting on the analysis, several factors in particular are salient in viewing the current and future landscape for possibly organising a far more sizeable and attractive EFC exhibition:

- A backdrop of increased NACE ‘conferences with attendant exhibitions’ activity in and around Europe: most disturbingly seen in the recent NACE European Corrosion Conference – Expo 2014 (14-16 May 2014, Madrid, Spain) - noting that Spain now has no EFC member societies. This move has seen NACE essentially step outside the intent of the original EFC/NACE reciprocity agreement, although not helped by the current EFC position in Spain; while a revised version of the reciprocity agreement remains in limbo.
- The EFC’s explicit (even implicit) interest in and track record of holding exhibitions has to-date been inconsequential. Exhibitions held during EUROCORR conferences have on the whole been poorly organised and promoted, being very much a minor consideration and at best treated as a ‘nice to have’. This has not helped exhibitor confidence and attraction to participate as evidenced in exhibitor numbers rarely exceeding 20 - being more typically around 10 - 15 with only 2 or 3 companies exhibiting every year.

¹ Discussion Paper: Pros and Cons of Organising an EFC Exhibition - Don Harrop, Jan 2013

Progress on EFC Exhibition Task Force (Continued)

- There has been a steady and sustained growth over recent years in attendance at respective EUROCORR conferences, with the number pushing up against an important psychological figure of $\geq 1,000$ attendees. Figure 1 clearly shows the significant impact hosting EUROCORR has on local attendee numbers while Figure 2 clearly shows that France and Germany are the strongest source of attendees irrespective of where held. Both observations are important in viewing potential footfall and make up for a successful exhibition. Furthermore, while there is a perception that the EFC is a more academe facing organisation, and *ipso facto* its conference, analysis of the past three years' attendees show on average c.a. 43% are industry affiliated with 29% declared university based and 28% from national and independent institutes and research/technical/engineering bodies.
- The September date for the annual EUROCORR conference is firmly established on the international corrosion events calendar; consequently, EUROCORR is rarely in direct conflict/competition with other corrosion related events. Industry likes certainty and continuity of date to fix in their calendars and for forward planning when it comes to company participation in and repeat commitment to exhibitions.
- A well established and organised sizeable exhibition while being an excellent advert for the industrial vibrancy and reach of the associated professional body can be a lucrative source of income. Furthermore, run conjointly with a conference can be of mutual benefit with respect to attendance, promotion and importantly help temper upward pressure on conference attendee fees.

RECOMMENDATIONS

It is timely for the EFC to establish a clear and proactive strategic position regarding its future policy on exhibitions. If well targeted and run, successful exhibitions present a potentially very lucrative source of additional income. At present the only EFC exhibition activity is that associated with the annual EUROCORR conference; but here it is not a firm or primary requirement on the awarded member society/s EUROCORR organiser and so to-date has resulted at best in a missed opportunity to optimise the associated benefits and at worst a non-event provoking exhibitor frustration and disillusionment.

1. Given the growing success and attendance numbers at the EUROCORR conference in recent years, and its pre-eminence on the annual international corrosion calendar, establishing an exhibition strategy that seeks to build on this position is strongly recommended - i.e. strengthen and raise the importance and criticality of the exhibition as part of the EUROCORR conference event rather than consider running a standalone exhibition at a separate venue and different date. The latter runs a high risk of being divisive in vying for industry versus academe attendance and could well adversely impact future EUROCORR growth potential if not marginalise its appeal; plus there is also the risk of (mission) creep in what's offered to sustain/grow the success of a standalone exhibition (e.g. starting to include technical and poster sessions and workshops).
2. To achieve the continuity of organisation required to consistently produce a successful exhibition of or above a critical size - benchmarking against the annual NACE conference and exhibition suggests a size of ~60 exhibitors with a stretch target of 100 as a starting point - requires more than merely tinkering with the present arrangements and requirements for bidding and running the annual EUROCORR conference. It is therefore recommended that to successfully step up in size and impact, the exhibition needs to be centrally organised and run. This enables the building of on-going relationships with exhibitors and provision of a constant and consistent point of contact. It should also allow ready organisational mapping on to that for the conference - even ease pressure on the organising member society/s - to easily integrate local exhibitor interest from which to develop subsequent return attendance and future exhibitor growth.

Progress on EFC Exhibition Task Force (Continued)

3. The impact of Dechema in providing EFC central oversight, continuity and support to respective local EUROCORN organising committees has been a very positive step introduced in recent years. Noting this together with Dechema's extensive experience in organising and running large successful exhibitions, it is recommended that they are approached first and foremost to take on direct responsibility for organising and running EFC exhibitions - i.e. covering *all* future EFC badged exhibitions - and particularly that run in conjunction with the EUROCORN conference against the basic remit given in bullet 2 above. Should Dechema decline, only then should a suitable outside agency be considered.
4. With future commitments - at least 3 years ahead - to hosting the annual EUROCORN conference already in place, it is recommended that a transition approach is adopted for achieving exhibition growth targets towards that identified in bullet 2; but certainly setting 2017/18 when the 60 to 100 exhibitor target is demonstrably achieved while not excluding sooner if conditions are favourable. The ability to sustain an exhibition at this size or above annually should be part of the learning curve built up around market interest and pull: it may prove appropriate for such a large exhibition to be only held every second or third year and underpinned with a solid well profiled - or, for example, niche targeted - smaller exhibition in the intervening years.
5. In accepting the above recommendations, it is further recommended that a strong communication campaign is run in the first 1-2 years. The exhibition has always been low profile and it will be essential go beyond merely an announcement with the call for papers for respective EUROCORN conferences.
6. In building for success, it is recommended that the EUROCORN attendance demographics are more rigorously analysed on an on-going basis as part of strengthening the attraction/relevance, growth and hence sustainable success of the exhibition. In so doing it is likely to deliver an exhibition distinctive to the EFC and not merely a lookalike to that of NACE - a model/make-up that may well not be best suited to a European market.
7. The stalled redefining of the EFC/NACE relationship introduces a complication especially in viewing possible NACE joint involvement with the EFC in any future Europe based exhibition. NACE has in principle a strong hand to play based on the long standing success of their annual exhibition, a force likely to prevail in any joint exhibition venture in the absence of a non-existent EFC exhibition strategy and its current limited exhibition bargaining power. The stalled relationship potentially offers some breathing space; however, irrespective of this it is recommended that the future relationship with NACE and its implications is kept separate from that of the EFC developing a robust standalone exhibition strategy.

Progress on EFC Exhibition Task Force (Continued)

ANNEX 1

SWOT Analysis

STRENGTHS • Biggest corrosion conference in Europe with a well-established annual date of September • A positive and personable reputation – attractive even unique feature of EuroCorr conference • Truly European outlook while maintaining local identity and autonomy of member societies • Working Parties have growing industry recognition, network and support • Track record of being able to successfully reach and operate outside the EC e.g. recent conferences in Moscow and Istanbul • Multitude of attractive and different cultural locations at which to hold events – a strong international selling point	WEAKNESSES • No track record of running a sizeable and successful exhibition • To-date exhibition not a main concern and generally poorly managed and promoted when left to local organising committee • Lack of structured approach to exhibition – to-date it's been a nice to have rather than core (i.e. not seen as strategic and left to different organisation every year therefore no continuity) • Some see attendance fee for EuroCorr being too high – especially as have to pay an attendance fee before gaining access to exhibitors (i.e. can't just attend exhibition therefore exhibitors constrained in inviting customers) • Academic reputation of EFC and events it runs • Lack of industry corporate support for EFC
OPPORTUNITIES • Never been nor currently exists pan Europe corrosion related exhibition; and no direct competitor (at the moment) • Potentially good source of revenue for the EFC • Attract EFC company members • Attract new industries to participate with knock-on into EuroCorr and WPs • Make EuroCorr even more internationally appealing and supported • Help national corrosion societies raise their industrial profile; and maybe able to access EC funding for small and new member countries • Increase EC visibility and standing; and get EC booth to promote research programmes and getting EC funding • EC funding to support in part running first major exhibition	THREATS • NACE • Two related exhibitions - ACHEMA (every 3 years) and Stainless Steel World (every 2 years) - have potential to affect EFC exhibitor numbers and footfall. • Smaller specific topic targeted conferences (e.g. pipeline coatings) that also hold an exhibition – exhibitors have an assured target attendance profile versus EuroCorr's broad programme base • Financial risk – too high left to EuroCorr local organiser • Lack of data on industry demand and exhibitor market make-up – e.g. will be somewhat different profile to US and NACE's historical strength/presence in oil and gas related industries

Progress on EFC Exhibition Task Force (Continued)

Additional points of note:

- A general feeling that there would not be strong enough interest for a standalone EFC exhibition – should be linked with the EuroCorr conference with mutual benefit to be gained.
- Strengthening the presence of the exhibition seen as important to further balancing industry versus fundamental role, activity and approach of the EFC and content of the conference.
- To have a chance of being successful and sustainable and set a realistic growth target the exhibition should be organised centrally – i.e. not left to the EuroCorr local organising committee. The importance of setting up a partnership with Dechema and/or possibly NACE to bring continuity and strong commercial oversight is a critical factor – with an independent exhibition organiser is seen as questionable.
- Booth costing and standardisation an important factor to define early on as, for example, the NACE model that has evolved over the years is perhaps too multi-tiered (at least to start with).
- Should review and leverage WP membership lists to better target potential exhibitors.
- Industry sector exhibitor make-up will be different in Europe to US – key European industries seen as automotive, steel, nuclear, alternative energy sources with less dominance of O&G. If were to enter into partnership with NACE they should be given specific responsibilities; for example, promoting O&G sector as part of clearly defining their role while noting past UK experience of working with NACE and status of current NACE/EFC reciprocity agreement/relationship.
- EFC exhibition should strive to be seen as somewhat different / distinctive from that organised in the US by NACE - not just the same (lookalike) which might leave exhibitors torn between the two and simply staying put.
- Conducting a simple benchmarking comparison as a starting go-by with the size of exhibition at the annual NACE conference suggest an initial target EFC exhibition size of ~60 exhibitors with a stretch target of 100.
- A preference for an EFC (with Dechema) solely organised exhibition or jointly with NACE needs to be further assessed especially with continuing uncertainties around / cooling of the future of the EFC/NACE reciprocity agreement.
- Difficult at this stage to make a call on likely frequency of running a large EFC exhibition - need to undertake a more detailed analysis of the potential exhibitor base and that of the background of the attendees at recent EuroCorr conferences. May also be influenced by a decision to run such an exhibition solely by the EFC or jointly with NACE.

Progress on EFC Exhibition Task Force (Continued)

FIGURES

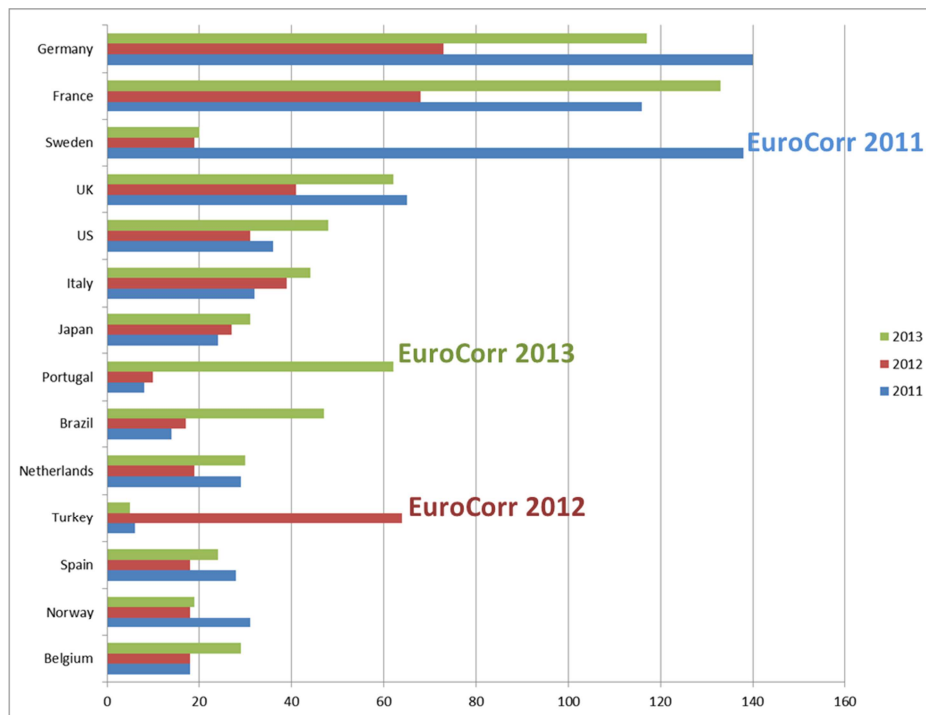


Figure 1

		Average No. Attendees 2011 to 2013			
		> 100	50 to 99	20 to 49	5 to 19
Tier #1	Germany	110			
27.0 %	France	106			
Tier #2	Sweden (1)		59		
14.4 %	UK		56		
Tier #3	Italy			38	
34.4 %	US			38	
	Japan			27	
	Portugal (3)			27	
	Netherlands			26	
	Brazil			26	
	Turkey (2)			25	
	Spain			23	
	Norway			23	
	Belgium			22	
Tier #4	Austria				16
17.9 %	Denmark				14
	Russia				13
	Finland				11
	Poland				11
	Czech Rep				10
	Australia				9
	Switzerland				8
	China				8
	Iran				8
	Saudi Arabia				7
	Croatia				6
	Korea				6
	Slovenia				5
	Mexico				5
	Chile				5

(1) Hosting EUROCRR 2011 increased Sweden attendees to 138, otherwise the average is 19.5

Figure 2

EFC CALENDAR OF FORTHCOMING EVENTS AS OF SEPTEMBER 2014

Date/Venue	Conference / Course	Contact
08–12 September 2014 Pisa, Italy	EUROCORR 2014 <i>"Improving materials durability: from cultural heritage to industrial applications"</i> (EFC Event No. 364)	Associazione Italiana di Metallurgia (AIM) Dr. Federica Bassani P.le R. Morandi, 2 · 20121 Milano, Italy Tel: +39 0276021132 · Fax: +39 0276020551 E-mail: eurocorr2014@aimnet.it Website: http://www.eurocorr2014.org/
16–19 September 2014 Paderborn, Germany	Industrielle Lackiertechnik in Theorie und Praxis im Bereich metallische Werkstoffe <i>Held in German.</i> (Course)	DFO Service GmbH Nicole Dopheide Tel: +49 2131 40811 24 E-mail: dopheide@dfo-online.de Website: http://www.dfo.info/
21–24 September 2014 Chicago, IL, USA	Titanium 2014 <i>30th Annual Conference and Exhibition of the International Titanium Association</i>	Jennifer Simpson International Titanium Association 2655 West Midway Blvd., Suite 300 Broomfield, CO 80020-7186, USA E-mail: conference@titanium.org Website: http://www.titanium.org/
21–24 September 2014 Darwin, Australia	Corrosion & Prevention 2014 (EFC Event No. 383)	Australasian Corrosion Association, Inc. Mr. Wesley Fawaz Tel: +61 3 9890 4833 Fax: +61 3 9890 7866 E-mail: wesley.fawaz@corrosion.com.au Website: http://www.acaconference.com.au/
28 September–02 October 2014 Chia, Domus de Maria (CA), Sardinia, Italy	ESEE 2014 <i>10th European Symposium of Electrochemical Engineering</i>	Manuela Licciardello Via Giuseppe Colombo 81/a 20133 Milano, Italy Tel: +39 02 70608276 Fax: +39 02 70639402 E-mail: 10thesee@aidic.it Website: http://www.10thesee.it/
29 September–02 October 2014 Jastrzębia Góra near Gdańsk	Anticorrosion Protection on Steel Bridges (Part 3 of 3) <i>Design and supervision over application of anticorrosion protection means on steel bridges (Part 3 of 3) Knowledge and skill- related requirements compulsory for Inspectors, as defined in NS 476 and ENV 12837 standards. Basic knowledge of corrosion and paints is included. The course is implemented by specific corrosion knowledge for such industries as: marine, power plants and transmission, infrastructure, automotive, chemicals.</i> <i>Held in Polish.</i> (Course)	Agnieszka Królikowska Instytutowa 1 03-302 Warszawa, Poland Tel: +48604553244 E-mail: akrolikowska@ibdim.edu.pl Website: http://www.ibdim.edu.pl/

EFC CALENDAR OF FORTHCOMING EVENTS AS OF SEPTEMBER 2014 (CONTINUED)

Date/Venue	Conference / Course	Contact
05–10 October 2014 Cancun, Mexico	226th ECS Meeting	The Electrochemical Society 65 South Main Street, Building D Pennington, New Jersey 08534-2839, USA E-mail: ecs@electrochem.org Website: http://www.electrochem.org/meetings/biannual/fut_mtgs.htm
12–17 October 2014 La Rochelle, France	BIODEMAT 2014 <i>Biodétérioration des matériaux: interactions biofilms-alliages métalliques ou bétons</i> (EFC Event No. 377)	Isabelle FRATEUR Laboratoire Interfaces et Systèmes Electrochimiques (LISE) Université Pierre et Marie Curie 4, place Jussieu 75252 Paris Cedex 05 - France Fax: +33 1 44 27 40 74; E-mail: isabelle.fratureur@upmc.fr
13–15 October 2014 Frankfurt am Main, Germany	Korrosion - Grundlagen und Untersuchungsmethoden <i>organised by DECHEMA-Forschungsinstitut</i> <i>Held in German.</i> (Course)	DECHEMA e.V. Nicola Größ / Heidi Weber-Heun Theodor-Heuss-Allee 25 60486 Frankfurt am Main, Germany Tel: +49 69 7564 253 / 202 Fax: +49 69 7564 414 E-mail: kurse@dechema.de Website: http://dechema-dfi.de/Korrosion.html
15–16 October 2014 Amsterdam, The Netherlands	Corrosion under Insulation MasterClass Training <i>This training will cover technical and management issues of corrosion under insulation and external corrosion. It will give the participants a unique offer to bring along their own cases they are dealing with for a class review and discussion.</i> (Course)	Eva Baskova Fleming Europe Tel: +421 257 272 116 E-mail: eva.baskova@flemingeurope.com Website: http://energy.flemingeurope.com/corrosion-insulation-training
15–17 October 2014 Elazig/Turkey	XIII International Corrosion Symposium <i>Presentation and discussion of papers on 2,5 days, Panel discussion (an overall assessment of corrosion problems in the energy sector in Turkey: present and future) on half a day.</i> (EFC Event No. 375)	Assist.Prof. Dr. Hulya Demirenen FIRAT University Faculty of Technical Education 23119 Elazig, Turkey E-mail: hulyademirenen@gmail.com Website: http://www.korozyondernegi.org.tr/
16 October 2014 Frankfurt am Main, Germany	Biokorrosion und Biofouling in wasserführenden Systemen <i>organised by DECHEMA-Forschungsinstitut</i> <i>Held in German.</i> (Course)	DECHEMA e.V. Nicola Größ Theodor-Heuss-Allee 25 60486 Frankfurt am Main, Germany Tel: +49 69 7564 253 / 253 Fax: +49 69 7564 414 E-mail: gruss@dechema.de Website: http://dechema-dfi.de/Biokorrosion.html

EFC CALENDAR OF FORTHCOMING EVENTS AS OF SEPTEMBER 2014 (CONTINUED)

Date/Venue	Conference / Course	Contact
22–23 October 2014 Sosnowiec, Poland	SURFPROTECT 2014 <i>6th International Fair of Surface Protection</i>	Expo Silesia Sp. z o.o. ul. Braci Mieroszewskich 124 41-219 Sosnowiec, Poland Tel: +48 32 7887 500 E-mail: exposilesia@exposilesia.pl Website: http://exposilesia.pl/surfprotect
22–24 October 2014 Dresden, Germany	Nano-scale Materials <i>"Characterization Techniques and Applications"</i> (Course)	DGM Susanne Grimm Senckenberganlage 10 60325 Frankfurt am Main, Germany Tel: +49-69 75306 757 E-mail: fortbildung@dgm.de Website: http://www.dgm.de/
28–30 October 2014 Jülich, Germany	Hochtemperaturkorrosion <i>Held in German</i> (Course)	DGM Susanne Grimm Senckenberganlage 10 60325 Frankfurt am Main, Germany Tel: +49-69 75306 757 E-mail: fortbildung@dgm.de Website: http://www.dgm.de/
02–06 November 2014 Jeju Island, Korea	19th International Corrosion Congress (ICC) <i>"Corrosion Control, Contributing to a Sustainable Future for All"</i>	The Corrosion Science Society of Korea Tel: +82-2 539 5869 Fax: +82-2 555 4579 E-mail: icc2014.korea@gmail.com Website: http://www.icc-net.org/
10–11 November 2014 Frankfurt am Main, Germany	Korrosionsschutz verstehen <i>This course is intended for participants from industry or research who have to deal with corrosion problems and find protection solutions.</i> <i>Held in German.</i> (Course)	Contact: DECHEMA e.V. Nicola Gruß / Heidi Weber-Heun Theodor-Heuss-Allee 25 60486 Frankfurt am Main, Germany Tel: +49 69 7564 253 / 202 Fax: +49 69 7564 414 E-mail: kurse@dechema.de Website: http://dechema-dfi.de/
13–14 November 2014 Frankfurt am Main, Germany	Keeping your cool <i>Coatings for process industries, corrosion under insulation, process safety and corrosion, fire proofing.</i> (EFC Event No. 379)	Heike Geiling DECHEMA e.V. Theodor-Heuss-Allee 25 60486 Frankfurt am Main, Germany Tel: +49 69 7564-280 Fax: +49 69 7564-304 E-mail: geiling@dechema.de Website: http://www.dechema.de/kyc2014
18–21 November 2014 Gliwice, Poland	Corrosion 2014 (Gliwice, Poland) <i>International Scientific Conference Corrosion 2014</i> (EFC Event No. 376)	Professor Maria Sozańska Faculty of Materials Engineering and Metallurgy Silesian University of Technology PL 40-019 Katowice, Poland Fax: (48-32)6034400 E-mail: maria.sozańska@polsl.pl Website: http://www.corrosion2014.polsl.pl/index.php?lang=en

EFC CALENDAR OF FORTHCOMING EVENTS AS OF SEPTEMBER 2014 (CONTINUED)

Date/Venue	Conference / Course	Contact
24–28 November 2014 Le Corum, Montpellier, France	Matériaux 2014	Pascale Bridou Buffet FFC 28, rue Saint-Dominique 75007 Paris, France Tel: +33 1 5359 0218 Fax: +33 1 4555 4033 E-mail: pascale.bridou@wanadoo.fr Website: http://www.materiaux2014.net
30 November– 05 December 2014 Boston, MA, USA	MRS Fall Meeting 2014 <i>2014 Fall Meeting & Exhibit of the MRS</i>	Materials Research Society 506 Keystone Drive Warrendale, PA, 15086-7537, USA Tel: +1 724 779 3003 Fax: +1 724 779 8313 E-mail: info@mrs.org Website: http://www.mrs.org/fall2014/
02–04 December 2014 Düsseldorf, Germany	Valve World 2014 <i>9th Biennial Valve World Conference & Exhibition</i>	Messe Düsseldorf GmbH Stockumer Kirchstrasse 61 40474 Düsseldorf E-Mail: valveworldexpo@messe-duesseldorf.de Website: http://www.valveworldexpo.com/
2015		
19–23 January 2015 Brussels, Belgium	Electrochemical Doctoral School "Corrosion: from analysis to modeling" <i>The Doctoral School is open for 1st and 2nd year PhD students and final year Master's thesis students.</i> (Course)	Research group SURF Tom Hauffman Pleinlaan 2 1050 Brussels, Belgium Tel: +32(0)2693538 Fax: +32(0)26293200 E-mail: thauffma@vub.ac.be Website: http://www.surfgroup.be/events
15–19 March 2015 Dallas, TX, USA	CORROSION 2015 / NACE <i>Conference and Exposition</i>	CaLae McDermott NACE Headquarters 1440 South Creek Drive Houston, Texas 77084-4906, USA Tel: +1 281-228-6263 E-mail: calae.mcdermott@nace.org
22–25 March 2015 Angra dos Reis, Brazil	16th ISE Topical Meeting	International Society of Electrochemistry Rue de Sébeillon 9b 1004 Lausanne, Switzerland E-mail: events@ise-online.org
25–27 March 2015 Ravenna, Italy	OMC 2015 <i>12th Offshore Mediterranean Conference & Exhibition</i>	OMC Viale L.C. Farini 48121 Ravenna, Italy E-mail: conference@omc.it Website: http://www.omc2015.it/?Lang=en&
12–16 May 2015 Florence, Italy	9th World Congress Aluminium Two Thousand <i>together with the International Conference on Extrusion and Benchmark - ICEB 2015</i>	Interall Srl Tel: +39-059-282390 Fax: +39-059-280462 E-mail: aluminium2000@interall.it Website: http://www.aluminium2000.com/

EFC CALENDAR OF FORTHCOMING EVENTS AS OF SEPTEMBER 2014 (CONTINUED)

Date/Venue	Conference / Course	Contact
17–21 May 2015 Madeira Island, Portugal	ASST VII <i>7th International Aluminium Surface Science and Technology Symposium</i> (EFC Event No. 387)	E-mail: demac-asst2015@ua.pt Website: http://www.ASST2015.com
24–28 May 2015 Chicago, IL, USA	227th ECS Meeting <i>Spring Meeting 2015 of the Electrochemical Society</i>	The Electrochemical Society 65 South Main Street, Building D Pennington, New Jersey 08534-2839, USA E-mail: meetings@electrochem.org
24–29 May 2015 Troia, Portugal	EMCR 2015 <i>11th International Symposium on Electrochemical Methods in Corrosion Research</i> (EFC Event No. 386)	Joao Salvador Fernandes Dept. of Chemical Engineering Instituto Superior Tecnico Av. Rovisco Pais 1049-001 Lisboa, Portugal E-mail: scientific@emcr2015.org Website: http://www.emcr2015.org/
31 May–03 June 2015 Saint-Malo, France	17th ISE Topical Meeting	International Society of Electrochemistry Rue de Sébeillon 9b 1004 Lausanne, Switzerland E-mail: events@ise-online.org
10–11 June 2015 Leuven, Belgium	Eurofinish 2015 <i>European trade fair for surface treatment technologies</i>	Ria Van den Bogaert Phone: +32 (0)2 569 89 05 Fax: +32 (0)2 569 89 06 GSM: +32 (0)497 05 07 54 E-mail: ria@eurofinish.be Website: http://www.eurofinish.be/EN/Contact
15–17 June 2015 Ferrara, Italy	Corrosione e Protezione 2015 <i>Giornate Nazionali sulla Corrosione e Protezione</i> <i>organised by AIM in cooperation with APCE, AITIVA and the NACE Milano Italia Section</i>	Associazione Italiana di Metallurgia (AIM) P.le R. Morandi, 2 20121 Milano, Italy Tel: +39 0276021132 Fax: +39 0276020551 E-mail: info@aimnet.it Website: http://www.aimnet.it/gncorr2015.htm
15–19 June 2015 Frankfurt am Main, Germany	ACHEMA 2015 <i>31st International Exhibition-Congress on Chemical Engineering, Environmental Protection and Biotechnology</i> (EFC Event No. 388)	DECHEMA Ausstellungs GmbH Theodor-Heuss-Allee 25 60486 Frankfurt am Main, Germany Website: http://www.achema.de
24–26 June 2015 Skiathos Island, Greece	ICEAF IV <i>4th International Conference of Engineering Against Failure</i>	Mrs. Archontoula Koutsoliakou Tel: +30 2610 969498 Fax: +30 2610 997190 E-mail: ltsm@mech.upatras.gr Website: http://ltsm.mead.upatras.gr/lab/lang_en/conference/view/6
20–24 July 2015 Christ's College, Cambridge, UK	Advances in Corrosion Protection by Organic Coatings (EFC-Event No. 381)	Professor Stuart Lyon, School of Materials (Corrosion and Protection), Room E21, The Mill, The University of Manchester, Oxford Rd., Manchester, M13 9PL, UK Tel: +44 (0)161 306 4846 E-mail: stuart.lyon@manchester.ac.uk

EFC CALENDAR OF FORTHCOMING EVENTS AS OF SEPTEMBER 2014 (CONTINUED)

Date/Venue	Conference / Course	Contact
06–10 September 2015 Graz, Austria	EUROCORR 2015 <i>"Earth, Fire, Water, Air, Corrosion happens everywhere"</i> EFC Event No.(to be confirmed)	ASMET Prof. Gregor Mori Franz-Josef-Str. 18 8700 Leoben, Austria E-mail: Eurocorr2015@asmet.at Website: http://www.eurocorr2015.org
04–09 October 2015 Taipei, Taiwan	ISE Annual Meeting 2015 <i>66th Annual Meeting of the International Society of Electrochemistry</i>	International Society of Electrochemistry Rue de Sébeillon 9b 1004 Lausanne, Switzerland E-mail: events@ise-online.org Website: http://www.ise-online.org
11–16 October 2015 Phoenix, AZ, USA	228th ECS Meeting <i>Fall Meeting 2015 of the Electrochemical Society</i>	The Electrochemical Society 65 South Main Street, Building D Pennington, New Jersey 08534-2839, USA E-mail: meetings@electrochem.org Website: http://www.electrochem.org/meetings
14–16 October 2015 Istanbul, Turkey	Paint Expo Eurasia 2015	FairFair GmbH Max-Eyth-Straße 19, 72644 Oberboihingen, Germany Tel: +49 7022 60255-0 Fax: +49 7022 6025577 Website: http://www.paintexpo.com/
2016		
11–15 March 2016 Vancouver, BC, Canada	CORROSION 2016 / NACE <i>Conference and Exhibition</i>	CaLae McDermott NACE Headquarters 1440 South Creek Drive Houston, Texas 77084-4906, USA Tel: +1 281-228-6263 E-mail: calae.mcdermott@nace.org Website: http://www.nace.org/
29 May–03 June 2016 San Diego, CA, USA	229th ESC Meeting <i>Spring Meeting 2016 of the Electrochemical Society</i>	The Electrochemical Society 65 South Main Street, Building D Pennington, New Jersey 08534-2839, USA E-mail: meetings@electrochem.org
21–26 August 2016 The Hague, The Netherlands	ISE Annual Meeting 2016 <i>67th Annual Meeting of the International Society of Electrochemistry</i>	International Society of Electrochemistry Rue de Sébeillon 9b 1004 Lausanne, Switzerland E-mail: events@ise-online.org
11–15 September 2016 Montpellier, France	EUROCORR 2016 <i>"Advances in linking Science to Engineering"</i> EFC Event (No. to be confirmed)	CEFRACOR 28, rue Saint-Dominique 75007 Paris, France Fax: +33 1 45 55 90 74 E-mail: eurocorr2016@cefracor.org
2017		
18–23 June 2017 Rhodes, Greece	ICF 14 <i>14th International Conference on Fracture (ICF 14)</i>	Chair: Emmanuel E. Gdoutos E-mail: egdoutos@civil.duth.gr Website: http://www.icf14.org/

EFC CALENDAR OF FORTHCOMING EVENTS AS OF SEPTEMBER 2014 (CONTINUED)

Date/Venue	Conference / Course	Contact
27 August–01 September 2017 Providence, RI, USA	ISE Annual Meeting 2017 <i>68th Annual Meeting of the International Society of Electrochemistry</i>	International Society of Electrochemistry Rue de Sébeillon 9b 1004 Lausanne, Switzerland E-mail: events@ise-online.org Website: http://www.ise-online.org/annmeet/next_meetings.php