

Issue 24 April 2014

E-Newsletter

<http://www.efcweb.org>

Dear Fellow Corrosionists,

Herein please find our annual e-newsletter in recognition of April 24th's [Corrosion Awareness Day](#) with the latest on the people and activities that make up our federation. All 20 of our working parties of corrosion specialty areas have evolved organically over time in response to the ever-changing environmental, economic and ecological conditions under which we all operate nowadays, supported by our Science and Technology Advisory Committee, administered through our London, Paris and Frankfurt-based secretariats and sustained by our member societies and corrosion experts like **you**, who are an essential part of our corrosion community.

Expectations are high for this year's EUROCORR 2014 in Pisa, Italy and we will not disappoint! 760 abstracts have been received from 55 countries and a stimulating, multi-disciplinary, educational programme consisting of specialty sessions, joint-sessions, poster sessions, workshops and courses await you. What's more, like that most famous of Pisans - Galileo Galilei's - ground-breaking theory, EUROCORR's essential role to corrosionists everywhere continues to develop as the *sun* around which a multitude of scheduled committees, meetings and other gatherings *orbit*, due to the constellation of corrosionists from science, engineering and industry who are sure to be present every year to reconnect, transfer knowledge, network and do business in one central and convenient European global galaxy.

Our host this year, Italian Member Society AIM: *La Associazione Italiana di Metallurgia* will be welcoming you with a grand *Benvenuto* in timeless Italy this coming **8-12 September** (www.eurocorr2014.org) so don't miss it!

Juliet Ippolito

EFC Public Relations Officer

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Editorial

The European Federation of Corrosion is the biggest corrosion organisation in Europe and one of the largest in the world, representing over 30 national corrosion, engineering and materials societies with members from 25 European countries and an increasing number of international members from outside of Europe. Its three European secretariats are based in London, Paris and Frankfurt and are dedicated to advancing the

science and engineering of corrosion and protection of materials by promoting cooperation in Europe through international collaboration. EUROCORR[®], The European Corrosion Congress, is the EFC's flagship event and is hosted every year by a member society in their respective European country.

Who's Who

EFC Presidency

Professor Lorenzo Fedrizzi was elected EFC President back in January 2013. His selection was based upon his intense commitment to EFC activities over the years, particularly his highly successful former 12 year chairmanship of Working Party 14 on Coatings, one of the most important and popular sessions at the EFC's annual EUROCORR conference. He previously held the position of EFC Vice-President and succeeds Professor Philippe Marcus who served as EFC president for the past 2 terms. Lorenzo Fedrizzi is a full professor of Materials Science and Technology at the University of Udine, Italy where he teaches Composite Materials Science and Technology and Corrosion. He is head of the Department of Chemistry, Physics and Environment at the University of Udine where he is also the Director of the Masters program in Metallurgical Engineering. He is a member of the Executive Council of the "National Inter-university Consortium for Material Science and Technology" (INSTM) and of the "Corrosion Centre" of the "Associazione Italiana di Metallurgia" (AIM). He sits on the Editorial Board of "Progress in Organic Coatings", "Corrosion Engineering Science and Technology" and "Materials and Corrosion".

His main scientific interests are corrosion protection by organic, metallic and ceramic coatings. As EFC President, he is a member of the International Scientific Committee for EUROCORR and continues as an active member of Working Party 14's Workshop "Application of Electrochemical Techniques to Organic Coatings".

EFC Administration

President:

Lorenzo Fedrizzi, Udine, Italy

Vice President:

Fatima Montemor, Lisbon, Portugal

STAC Committee Chairman:

Arjan Mol, Delft, The Netherlands

Scientific Secretary:

Roman Bender, Frankfurt, Germany

Public Relations Officer:

Juliet Ippolito, Naples, Italy

Frankfurt Secretariat:

Willi Meier, Frankfurt, Germany

Paris Secretariat:

Pascale Bridou Buffet, Paris, France

London Secretariat:

Bernard A. Rickinson, London, U.K.

New Members

The EFC welcomes on board our newest members:

VOM Belgium: The Belgian Association for Surface Treatment based in Leuven is set up to expand and link the know-how and experience of its members which are comprised of mostly small and medium-sized companies with common interests in joint projects and the end-goal of building networks between industry and research institutes. Its 300 members consist of subcontractors, surface-treatment users, suppliers of both, products and equipment as well as universities and research centers situated in both the French and Dutch speaking parts of Belgium.

VOM covers all activities in the field, starting from the pre-treatment to the finishing of a product including electroplating, painting, powder coating, vacuum depositions, and metal spraying, with special attention paid to related topics such as corrosion, quality, environment, health and safety. All of these activities are carried out through conferences, technical lectures, company visits, one-day courses and specialty, tailor-made courses. Every two years VOM organises EUROFINISH, the European Trade Fair for surface-treatment technology and publishes its own monthly magazine VOM INFO containing announcements and presentations of the latest developments.

SOCIEMAT: Sociedad Española de Materiales (The Spanish Materials Society)

is based in Madrid. Its goal is the scientific, engineering and technological development of materials within an educational framework and an industrial application through the promotion and dissemination of important research and development work being carried out in Spain in collaboration with government, local, national and international research and development programmes. The overall objective of these activities is to promote cooperation in the field of research and

development of materials and to establish within the existing infrastructure business partnerships to foster coordination and cooperation with entities working in the field of materials. SOCIEMAT also develops educational programmes in the areas of materials science engineering, including the organisation of courses, workshops, conferences and seminars. The society also publishes newsletters and participates in the Madrid Science Fair, Materials Week and provides foundation contribution and national Awards in the field of materials science.

News from Working Parties

Dr ir J.M.C. (Arjan) Mol becomes New Science and Technology Advisory Committee (STAC) Chairman

Dr. Arjan Mol obtained his MSc-degree at the Faculty of Aerospace Engineering of the Delft University of Technology (DUT) back in 1996. His MSc-thesis focused on the post-forming properties (including corrosion properties) of glass fiber-metal laminates (GLARE) after deformation processing. His PhD degree was awarded by the Materials Science and Engineering (MSE) Department of the DUT where he studied the effects of microstructural variations in aluminium alloy surfaces on filiform corrosion properties. He continued his career as project and team leader of 'Structural lifetime of building and civil engineering structures' for 6 years at the Dutch Applied Research Organisation TNO. In 2006 he returned to DUT-MSE where he is now Associate Professor of 'Corrosion Technology and Electrochemistry'. His research field focuses on Local electrochemical analysis of corrosion mechanisms, Interfacial bonding of organic coatings on metal (oxide) surfaces and Multifunctional eco-friendly corrosion inhibitors and evaluation of smart coatings.

He has published over 75 papers in international peer-refereed scientific journals, 6 book chapters and over 80 international conference proceeding papers. He chaired the International Aluminium Surface Science and Technology Symposium ASST2009, was a member of the ASST2012 Sorrento Organising Committee and will be again for ASST2015 in Madeira. Since 2011 Dr. Mol has been the Representative Member of the International Corrosion Council ICC for Holland, serves as member of the International Scientific Committee for the EFC's annual EUROCORR congress, and is the Working Party Chairman for WP 8 'Physico-chemical methods of Corrosion Testing'.

Dr. Mol has taken over from **Dr. Damien Féron** who faithfully served as STAC Chairman for the past 6 years. The EFC wishes to thank Damien Féron for his dedication and commitment to maintaining the increasingly high scientific standards of each successive EUROCORR Scientific Programme and his excellent job as scientific advisor to EFC's 20 working parties as well as for his continued contribution as acting Working Party Chair for WP 4 Nuclear Corrosion.

NEW EFC WORKING PARTY CHAIRPERSONS:

We are pleased to announce our newly-appointed Working Party Chairs effective January 1, 2014 as follows:

WP 10 MICROBIAL CORROSION

Dr Pierangela Cristiani has a degree in biology from the Università degli Studi di Milano and more than fifteen years' experience in research, project development and teaching in the field of microbial corrosion and biofouling prevention in the industrial sector. She is Project Leader at RSE – Ricerca sul Sistema Energetico S.p.A., an Italian state research company working in the energy sector based in Milan, and author of more than 100 international publications including 6 book chapters and more than 50 journal papers/peer reviewed proceedings. Her research activities are carried out in collaboration with a number of Italian and international universities. Recently her research focus has enlarged to include the study of possible positive feedback arising from the interaction between bacteria and materials in microbial fuel cells. She has led the research for the Sub-program 3 – Cooling systems in energy facilities in the Marie Curie action “Biocorrosion” (FP7 program PEOPLE - UE) and her studies continue in the direction of developing innovative microbial corrosion methods which are deemed crucial for the creation and exploitation of new bio-electrochemical technology.

WP 13 CORROSION IN OIL AND GAS PRODUCTION

Dr. Steve Paterson is the Principal Technical Expert in the Materials in Oil & Gas Operations of Shell Projects & Technology. He graduated from Imperial College London with a BSc (Eng.) and PhD in Metallurgy and joined Shell in 1981 where he has held various roles related to materials and corrosion in the exploration & production, refining and chemical businesses. He has worked in The Netherlands, Malaysia, and Norway and in 1999 returned to the U.K. to work for OIS where he was responsible for the delivery of integrity and inspection services to Talisman Energy. He has been with Shell in Aberdeen since 2001, becoming head of materials and corrosion engineering for Shell Exploration & Production Europe in July 2006. In 2013 he became the Head of Materials, Corrosion & Inspection for Shell

Upstream in the U.K. & Ireland and in March 2014 moved to Amsterdam in his new role.

WP 21 CORROSION OF ARCHEOLOGICAL AND HISTORICAL ARTIFACTS

Dr. Delphine Neff studied material sciences at the Polytech Engineering Faculty in Orléans, France, and completed her Masters degree in Physics as applied to archaeology at the University of Bordeaux. She specialised in the study of long term corrosion of archaeological iron during her PhD-thesis at the Pierre Süe Laboratory of the French Atomic Agency / CNRS research institutes. She received her doctorate degree in Materials Science in 2003 upon which she took up post-doctoral positions at the Indian Institute of Technology of Kanpur India in 2004 and successively at the Pierre and Marie Curie University (UPMC) Paris 6 in 2005, continuing her research on the understanding of long term corrosion mechanisms. Since 2006 she has been a research scientist at the French Atomic Agency responsible for the corrosion activities of the Laboratory for Archaeo-materials and Prediction of Alteration (LAPA).

EFC's newly inaugurated!

WORKING PARTY 22: CORROSION CONTROL IN AEROSPACE

is chaired by **Theo Hack**, Senior Expert for Corrosion and Corrosion Protection at Airbus Group Innovations, the research organisation of the Airbus Group (former European Aeronautics Defence and Space Company, EADS) based in Munich, Germany. He received his Master's Degree in Materials Science at Friedrich-Alexander-Universität Erlangen and started his industrial career in 1986 at Messerschmitt-Bölkow-Blohm - Central Laboratories (Deutsche Aerospace). From 1994 onwards he was the manager for corrosion at Daimler Benz Research, respectively DaimlerChrysler AG, in the Research and Technology division where he was involved in projects for automotive, rail systems and aerospace. Since 2001 he has been the acting expert on corrosion and corrosion protection for the EADS research

organisation, EADS Innovation Works. He has many years' experience in corporate, national and international research projects dealing with corrosion testing and the development of substrates and corrosion protection systems for lightweight structures, and has been the coordinator for a number of European research projects on corrosion testing methods, corrosion simulation and new corrosion inhibition concepts. His major focus is on the development of new corrosion resistant aluminium alloys, the design and improvement of protection systems and the development of corrosion test methods. He is also an expert on the impact of microstructure on corrosion behaviour, stress corrosion cracking and corrosion fatigue of aerospace materials.

To view the ongoing activities of all 20 of the EFC's working party corrosion specialty areas, please go to the individual Working Party web pages on the EFC website at: www.efcweb.org/wp.html

Would you like to become an EFC Working Party Member?

If you adhere to an EFC member society or affiliate member, you are eligible to become a Working Party member in any of our 20 working parties of corrosion specialty areas. For further details on Working Party membership, please contact EFC Scientific Secretary Dr. Roman Bender at: bender@dechema.de

EFC Publications

EFC-appointed publisher for our noteworthy EFC "Greenbook" Series, **Woodhead Publishing** based in Cambridge, England, was acquired by Elsevier in August 2013. Woodhead's extensive Materials Science collection covering key research on corrosion and a wide range of engineering materials including composites, metals, ceramics and polymers, has been enhanced with Elsevier's content. All EFC members are entitled to a 30% discount on any previously-published EFC "Greenbook" Series titles. For more information and to browse the titles, please visit the Elsevier store store.elsevier.com



WP 1 Corrosion in Scale Inhibition announces that the "**International Journal for Corrosion on Scale Inhibition**" (IJCSI) is now the official Journal of EFC WP1. The journal will be used for networking and information exchange on Corrosion and Scale Inhibition matters including announcements of conferences, courses, new research issues, etc. IJCSI (www.ijcsi.pro) will also be directly linked to WP1's webpages found on the EFC website.

WP 21 Corrosion of Archeological and Historical Artifacts' newly appointed Working Party Chair, Dr. Delphine Neff will be proposing at this year's WP 21 EUROCORR session in Pisa a special issue of the EFC Publication "**Materials and Corrosion**" which will cover the corrosion/alteration of objects or materials from historical sites (metals including glass, ceramics, stone, etc.) and the scientific approach developed specifically for these materials.

EFC Publishing Opportunities:

Besides a 30% discount on purchase of all EFC publications and reduced registration fees to EFC-endorsed members' events, EFC working party members are entitled to co-author and contribute to EFC Working Party publications in our prestigious EFC "Greenbook" Series, joint publications with other member societies, and to publish in any of our three official EFC journals "**Materials and Corrosion**", "**Corrosion Engineering, Science and Technology (CST)**" and "**Matériaux et Techniques**".

EFC News in Your Member Society's Journal

If you are an EFC member society and would like to include an **EFC page** or **corner** news in your member society's journal, please contact Public Relations Officer Juliet Ippolito juliet@unina.it

EUROCORR 2014
8-12 September 2014
Pisa, Italy



Theme: *Improving materials durability: from cultural heritage to industrial applications*

This September, EUROCORR 2014 will be proudly hosted by our Italian member society AIM, the Italian Metallurgical Association, in Pisa, Italy. The theme 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 280 posters exhibited. Authors have now been notified and a complete listing of all 20 Working Party sessions, joint-sessions, workshops, ISO meetings and

courses can be found on the EUROCORR website, including other essential information.

Important Dates:

5 May 2014

Authors registration deadline for inclusion in the program

25 June 2014

Deadline for submission of full manuscripts

16 June 2014

Deadline for Early and Promo registration fees

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. For the most up-to-date details on EUROCORR 2014 including the Scientific Program, please refer to the website at: www.eurocorr2014.org

For any queries, please contact:

Congress secretariat:
AIM

P.le R. Morandi, 2
20121 Milano, Italy
Tel: +39 0276021132
Fax: +39 0276020551
Email: eurocorr2014@aimnet.it



Note in your Calendar!

EUROCORR 2015
6-10 September 2015, Graz, Austria

Theme: *Earth, Fire, Water, Air, Corrosion happens everywhere*

ASMET, the Austrian Society for Metallurgy and Materials will be your hosts in Graz, a delightful student city located in a forested region southwest of the Alps and 200 km from Vienna. This conference will assert the critical role of corrosion science, technology and engineering in extending the lifecycle of materials in different fields of applications (earth, fire, water, air).

Contact:
Congress Secretariat
ASMET
Franz-Josef-Str. 18,
8700 Leoben, Austria
Tel: +43 3842 45 189
Fax: +43 3842 402 2202
Email: asmet@asmet.at
Website: www.eurocorr2015.org



EUROCORR 2016
11-15 September 2016, Montpellier, France

Theme: *Advances in linking Science to Engineering*

CEFRACOR, the French Center for Anticorrosion, will be hosting you for EUROCORR 2016 in Montpellier, capital of the Languedoc-Roussillon region on the south coast of France on the Mediterranean Sea and neighbouring the delightful region of Provence.

Contact:
CEFRACOR
28 rue Saint-Dominique
75007 Paris, France
Fax: +33 1 45 55 90 74
Email: info@cefracor.org
Website: www.cefracor.org



EUROCORR 2017
September 2017, Prague, Czech Republic

Theme: *Corrosion Control for Safer Living*

Prague, an architectural, musical and cultural jewel of a city will be the location for EUROCORR 2017 which will be jointly hosted by The Czech Association of Corrosion Engineers and DECHEMA e.V.



Contact:
Czech Association of Corrosion Engineers (AKI)
VSCHT Praha (106), Technická 5
16628 Praha 6 - Dejvice, Czech Republic
Tel: +420 22044 4275
Fax: +420 22044 4400
Email: aki@vscht.cz
Website: www.aki-koroze.eu

Note: If your European member society or institute would like to host a future EUROCORR in your country, please contact our EFC Frankfurt office Ines Honndorf (e-mail honndorf@dechema.de) for details.

Forthcoming Events

The following are just a few of the sessions/workshops scheduled for **EUROCORR 2014** in Pisa.

For a complete listing of all EFC working party sessions, joint sessions, workshops, committee meetings and other scheduled events, please refer to the Sessions/Scientific Programme section of the EUROCORR 2014 website at: [www.eurocorr.org/Sessions+ +Workshops-p-48550.html](http://www.eurocorr.org/Sessions+_Workshops-p-48550.html)

JOINT SESSIONS and WORKSHOPS:

High Temperature Corrosion in the Refinery, Petrochemical and Chemical Industries

Joint Workshop of

**WP 3 Corrosion by Hot Gases and Combustion Products
&**

WP 15 Corrosion in the Refinery Industry

This workshop will exchange research results and expertise on the high temperature degradation of materials under conditions found in the refinery, petrochemical and chemical industries.

Topics will include:

- corrosion mechanisms at high temperature including sulphidation, carburisation, metal dusting, chlorination, molten salt corrosion (e.g. during biomass thermochemical treatments), acid attack (e.g. by naphthenic acids) and corrosion in other atmospheres
- failure cases and experience feedback
- corrosion resistant materials and coatings
- monitoring of high temperature corrosion
- corrosion challenges of future, foreseeable conditions in the refinery, petrochemical and chemical industries

Polymer-metal-combinations in piping systems

Joint Session of

**WP 19 Corrosion of Polymer Materials
&**

**WP 20 Corrosion & Corrosion Protection
of Drinking Water Systems**

The aim of this joint EUROCORN 2014 session is to bring together materials specialists, manufacturers and end users to share and unite their knowledge on these topics. Combined polymer and metal materials are typically found in modern piping systems as sanitary and heating installations are largely made up from a combination of polymer and metal components.

As well, networks in the water and gas supplies often consist of sub-networks made up of a combination of polymers with a second series of sub-networks consisting of metals. This complex operating environment will be explored via presentations and ensuing discussion from the academic and industrial worlds focusing on the following topics:

- Behaviour of polymers and metals in piping systems
- Potential interactions between polymers and metals, including the underlying mechanisms and appropriate investigation methods
- Application cases of polymer-metal-combinations and experience feedback

Polymers in Organic Coatings

Joint Session of

**WP 14 Coatings
&**

WP 19 Corrosion of Polymer Materials

Although polymers are part of organic coatings, the majority of the works presented in the coatings session usually focus on the interfacial properties of coatings and the development of new coating systems, while the research results presented in the polymers session concentrate predominantly on the application and behaviour of structural polymer materials. In an attempt to bridge the gap between those working with organic

coatings on metal surfaces and those working with polymer materials, the following topics will be addressed at this joint session:

- Behaviour of polymers in structural materials and in organic coatings,
- Mechanisms of corrosion protection by polymer materials, bulk properties and investigation methods
- Main influences on polymers in organic coatings and their consequences for the protective properties of organic coatings,
- Application cases and experience feedback
- Inspection and monitoring techniques

Multi-materials in Hybrid Structures for Automotive and Aerospace Applications: Corrosion Prevention of Materials, Joining Methods and Design

Joint session of

**WP 17 Automotive Corrosion
&**

WP 22 Corrosion Control in Aerospace

The Automotive and Aerospace industries are both facing the challenges of providing lightweight designs at reasonable costs in order to satisfy current requirements for improving fuel efficiency and reducing environmental footprint. Vehicles in both sectors have a major impact on the environment in terms of air quality, greenhouse gases, water quality, use of natural resources and noise emissions.

The design of advanced lightweight structures are another important factor for the electro-mobility of automobiles and future aircraft in order to balance out the additional weight added by electric components and energy storage systems.

In this joint workshop the corrosion behaviour and corrosion protection challenges arising from the assembly of lightweight hybrid and mixed material land and air vehicles shall be addressed. Other aspects will also be examined including the use of materials such as Mg alloys or Titanium, galvanic corrosion protection measures and the corrosion behaviour of various joining methods as applicable to both industries.

Theo Hack, chairman WP 22

Fouzia Hannour, chairman WP17

Workshop: Corrosion Reliability of Electronic Devices

Chairman: R. Ambat, Dept. of Mechanical Engineering Technical University of Denmark

This workshop will bring together representatives from academia and industry to present and discuss the various aspects of electronic corrosion issues, failure modes and mechanisms and will consider mitigation

Working Party 15 Corrosion in the Refinery Industry Annual Business Meeting 9 April 2014 @ EUROCORN Pisa

The agenda for this year's WP 15 annual business meeting led by WP Chairman Dr. Francois Ropital will include presentations and an information exchange on "hot topics" concerning corrosion in the refinery industry including: high temperature hydrogen attack, sulfide stress corrosion cracking, stress relaxation cracking, inspection, monitoring,

strategies including corrosion issues at the material, components, PCBA and device levels as well as enclosure concepts and important and specific corrosion issues related to various industrial sectors.

failure cases, stress relaxation cracking, corrosion by cooling waters and sulfide stress corrosion cracking amongst others.

The second part of the meeting will be to start planning for next year's EUROCORN 2015 WP 15 including consideration of joint sessions and workshops, identify potential speakers to invite, receive proposals for new – or revision to – guidelines, organization of the relevant taskforces and coordination with NACE STG groups.

Pre-Congress CORROSION SCIENCE COURSE 6, 7 & 8 September 2014 Congress Center, Pisa, Italy

Back by popular demand, this pre-EUROCORN 2014 course will once again be led by the esteemed Prof. Christofer Leygraf, winner of the 2013 European Corrosion Medal, and is designed for graduate students or researchers working in academic or industrial environments with an interest in materials science and engineering. Study and discussion of the interdisciplinary science of corrosion and the underlying chemistry and physics of the most important forms of metal corrosion in all its mechanistic and applied aspects will take place.

The course is worth 7.5 ECTS points and is organised by KorrosionsCentrum™ (a collaboration between EFC Swedish Member Society Swerea KIMAB and KTH Stockholm) which will furnish most of the instructors who are renowned experts in their respective fields.

Course fees:

EFC-AIM members: **250 euros**
(revenue stamp included)

NON members: **350 euros**
(revenue stamp included)

Course fees include refreshments and social activities.

For the complete course plan, lectures and registration details, please refer to the "Pre-congress Course" section on the EUROCORN website at:

www.eurocorr2014.org/gradcourse.htm

A Call for Papers: EUROCORN 2015, Graz, Austria:

Planned Joint Session of
WP 9 Marine Corrosion & WP 5 Environment Sensitive Fracture

It's not too early to start preparing your presentation for next year's planned joint session which will bring together academics and industrialists working with two topics that have recently become of major importance:

- issues regarding HISC of duplex stainless steels such as easier qualification tests and design rules
- corrosion and cracking of Ni-based alloys in deep water oil & gas exploration

Both of these important topics are related to cathodic charging of materials in seawater that can result in hydrogen induced cracking.

Recently evidence has proved that hydrogen embrittlement of precipitation hardening Ni-base alloys can take place and contributions concerning recounting and analysis of this phenomenon, including results from test programs and mechanisms are welcome. HISC guidelines have been in existence for several years now which may need to be updated. Contributions that will cover improved qualification test methods and design criteria, as well as mechanistic work are invited.

Abstracts should be submitted to the EUROCORN 2015 website www.eurocorr2015.org from October 2014 by mid-January 2015. For further information contact WP 5 Environment Sensitive Fracture Chair: Dr. Krzysztof Wolski Wolski@emse.fr or WP 9 Marine Chairman Dr. Ulf Kivisakk ulf.kivisakk@sandvik.com

Other upcoming EFC sponsored Events and Workshops:

VIII PSK Conference 2014 "State-of-the-Art Anticorrosion Technologies"
19-21 May 2014, Ostróda, Poland
(EFC Event No. 374)

8 Sections: corrosion in infrastructure; corrosion in refinery and chemical industry; concrete corrosion, architectural paints; organic anticorrosion coatings; metallic anticorrosion coatings; intumescent paints; easy field electrochemistry; corrosion in the power plants and on the transmission towers

Contact: Dr. Wojciech Sokólski, Polskie Stowarzyszenie Korozyjne z siedziba w Gdansk
Email: wsok@corrp.pl

Conference website:
www.psk.org.pl/psk/index.php

INTERCORR 2014
19-23 May 2014, Fortaleza/CE, Brazil
(EFC Event No. 385)

INTERCORR 2014 includes:

- 34th Brazilian Congress for Corrosion
- 5th International Corrosion Meeting
- X Congreso Iberoamericano de Corrosión y Protección
- 19th Picture Contest for Corrosion and Degradation of Materials
- 34th Exhibition of Technologies for Prevention and Control of Corrosion

Contact: ABRACO - Associação Brasileira de Corrosão
Email: eventos@abraco.org.br

Website:
<http://www.abraco.org.br/intercorr2014/pages/en/index.php>

16th YUCORR International Conference
27-30 May 2014, Tara Mountain, Serbia
(EFC Event No. 378)

Contact: Prof. Miomir Pavlovic, PhD., ICTM - Dept. of Electrochemistry
Email: uiskozam@sitzam.org.rs

Conference website:
www.sitzam.org.rs/16YUCORR/

XIII National Conference CORROSION MEASUREMENTS IN ELECTROCHEMICAL PROTECTION
9-11 June 2014, Ostróda, Poland
(EFC Event No. 380)

Themes: cathodic protection, measurement techniques, training personnel

Contact: Dr Wojciech Sokólski, Polskie Stowarzyszenie Korozyjne z siedziba w Gdansk
Email: wsok@corrp.pl

Corrosion-2014 - XII International Conference and Exhibition "Problems of Corrosion and Corrosion Protection of Structural Materials"

11-13 June 2014, Lviv, Ukraine
(EFC Event No. 372)

Main topics are: fundamentals of corrosion and corrosion assisted mechanical fracture; hydrogen and gas corrosion; new corrosion resistant materials and protective coatings; inhibitor and biocidal protection; electrochemical protection; testing methods and corrosion control; anticorrosive protection of oil and gas industry equipment; corrosion protection of power and chemical plant equipment.

Contact: Prof. V. I. Pokhmurskii, Karpenko Physico-Mechanical Institute of the National Academy of Sciences of Ukraine
Email: pokhmurs@ipm.lviv.ua

Conference website: www.ipm.lviv.ua

6th Cathodic Protection Days
24-26 June 2014, Juan-Les-Pins, France
(EFC Event No. 363)

Theme: Cathodic Protection and Associated Coatings; Theory and applications on land, seawater, concrete and inner surfaces

Contact: CEFRACOR
Email: PCRA2014@cefracor.org

Event website: www.cefracor.org/PCRA2014

Meeting of the Portuguese Electrochemical Society 2014
30 June – 2 July 2014, Aveiro, Portugal
(EFC Event No. 384)

9th Meeting of the Portuguese Electrochemical Society and XVI Iberic Meeting of Electrochemistry

Contact: Universidade de Aveiro
Email: demac-electrochemistry@ua.pt

Meeting website: 19spe.web.ua.pt

Corrosion & Prevention 2014
21-24 September 2014, Darwin, NT, Australia
(EFC Event No. 383)

Our Member Society from "down under", the Australasian Corrosion Association, will host its annual three day conference which will be comprised of a program of keynote presentations and a range of industry

'streams' with an exhibition showcasing the latest products and services of the corrosion mitigation industry. Approximately 500 delegates are expected to attend from industries such as protective coatings, water, defence, building and construction, mining, oil & gas, cathodic protection, power and more. Technical Topics will consist of presentations including research papers, review papers and case studies related to the technical streams including: Advances in Sensing and Monitoring, Cathodic/Anodic Protection, Coatings, Concrete & Architecture, Integrity Management, Manufacturing & Production, Marine Corrosion, Oil & Gas, Sustainability, Environment & Energy and Water & Wastewater

Conference website:
www.acaconference.com.au/

BIODEMAT 2014
12-17 October 2014, La Rochelle, France
(EFC Event No. 377)

Biodétérioration des matériaux : interactions biofilms-alliages métalliques ou bétons
This thematic summer school on biocorrosion/biodeterioration of materials will focus on the biofilm-material interface. It will gather the interdisciplinary community of academic and industrial partners concerned with biodeterioration problems, and will help to better understand the complexity of biofilms and of their interactions with materials and the environment.

Organised by CNRS (Centre National de la Recherche Scientifique) - Co-organised by the CEFRACOR Committee on "Biodétérioration des matériaux"

Contact: Isabelle Frateur, LISE
Email: isabelle.frateur@upmc.fr

Website: dr02.azur-colloque.cnrs.fr/inscriptions.php?lang=en

XIII International Corrosion Symposium
15-17 October 2014, Elazig, Turkey
(EFC Event No. 375)

The symposium is jointly organised by Corrosion Association in Turkey and Firat University Faculty of Technology. The programme includes presentation and discussion of papers on 2,5 days and a panel discussion (an overall assessment of corrosion problems in the energy sector in Turkey: present and future) on half a day.

Contact: Assist. Prof. Dr. Hulya Demiroren,
FIRAT University

Email: hulyademiroren@gmail.com

Symposium website:

<https://korsem13.firat.edu.tr/en/index.html>

CORROSION 2014

18-21 November 2014, Gliwice, Poland

(EFC Event No. 376)

Organised by the Silesian University of Technology and our Polish Corrosion Society PSK, this international congress will cover Atmospheric corrosion, Cathodic protection, Coatings, Corrosion protection, Concrete corrosion, Corrosion of polymers materials, Corrosion in industry, CO₂ corrosion, High-temperature corrosion, Hydrogen corrosion, Marine corrosion, Mechanisms of corrosion processes, Microbiological corrosion, Surface engineering in corrosion protection and Tribo-corrosion.

Contact: Prof. Maria Sozanska, Silesian University of Technology

Email: maria.sozanska@polsl.pl

Congress website:

www.corrosion2014.polsl.pl/index.php?lang=en

6th International Conference on Advances in Corrosion Protection by Organic Coatings

20-24 July 2015, Cambridge, UK

(EFC Event No. 381)

Our U.K. member society, the Institute of Corrosion, is the organiser of this important conference which will cover all aspects of corrosion control by organic coatings, including physical and chemical properties of polymer binders, substrates and interfaces, mechanisms of protection, novel inhibition systems, barrier properties, and other.

For further information contact: Professor Stuart Lyon, Corrosion and Protection Centre, School of Materials, University of Manchester

Email: stuart.lyon@manchester.ac.uk

For full details of these and a complete listing of many other future corrosion events held in Europe and throughout the world, go to the EFC Calendar of Events at:

www.efcweb.org/Events.html

EFC Membership Inquiries

For European, international and affiliate EFC membership inquiries please contact EFC Public Relations Officer Juliet Ippolito juliet@unina.it. EFC Members include European and Non-European national corrosion societies, research institutes, universities, and private and public entities.

For a listing of current EFC member societies, go to the EFC website's "Member Societies" section at:

www.efcweb.org/Who+we+are/Member+Societies.html

For a listing of current EFC affiliate members, go to the EFC website's "Affiliate Members" section at:

www.efcweb.org/Who+we+are/Affiliate+Members.html

EFC Event Publicity

If you are an EFC member society and are organising a corrosion-related event or course, you are entitled to EFC endorsement via an EFC Event number and a full publicity write-up of your event in our newsletters, including a listing in the EFC Calendar of Events and on the home page of the EFC website.

Event Application Forms can be downloaded on our website at:

www.efcweb.org/Events.html

and sent to EFC Scientific Secretary Dr. Roman Bender at: bender@dechema.de

Note to non-members:

The EFC Calendar of Events aspires to be the most comprehensive listing of corrosion-related events in the world. If you are not currently an EFC member but would like your corrosion-related event to be listed in the Calendar of Events on our website, please send your event announcement to: honndorf@dechema.de

Newsletter subscription

If you wish to subscribe to our EFC newsletters please send your name and full contact details to Ines Honndorf: honndorf@dechema.de

Job Banks

If you would like to publicise a job opening or are looking for qualified professionals, please consult our website at: www.efcweb.org/Recruitment+Forum.html

Contact

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Contact

Juliet Ippolito, e-mail: Juliet@unina.it

The statements and opinions expressed in the e-newsletter are those of the contributors and EFC assumes no responsibility for them.

Imprint

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