



International Corrosion Council

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Dear delegates of the International Corrosion Council,

It is a pleasure to write to you again, through this new bulletin, concerning with recent news about our Organization and some other international activities close to our aim and purpose. In this opportunity, some of the members of the EC of the ICC, and national delegates contributed to build this newsletter, looking to bring to you a broad spectrum of the most recent efforts, results, and coming activities.

ICC Congress, Prague, September 3rd – 7th of 2017 (Prof. J. Calderón)

As it was communicated last newsletter, the Czech Association of Corrosion Engineers – AKI - is in charge of the organization of our next 20th International Corrosion Congress, to be held in the Prague Convention Center (Czech Republic), from September 3rd to 7th of 2017. In this opportunity the ICC and EUROCORR conferences will come together by first time, becoming the largest corrosion scientific, academic and technical event ever organized. Taking into account the central theme and slogan of the Congress “Corrosion Control for Safety Live”, the aim of the Congress is to contribute to solve problems of both areas Corrosion Engineering and Process Safety. During the last EUROCORR-2016 conference, 11 - 15 September 2016 in Montpellier – France, the ICC-Executive Committee attended a meeting with AKI representatives, which presented a general update about the organization of 20th ICC-EUROCORR 2017 Congress. We are pleasure to communicate that the congress organization is running as expected. According to the Local Organizing Committee, the call for papers will be in few days and we expect a huge participation of all the members of your national communities of corrosionists to send your works and contributions.

Also, we invite you to follow the webpage of the ICC (<http://www.icc-net.org/>) for news and updates concerning with the coming 20th ICC-EUROCORR 2017 Congress.

Relationships with related organizations

World Corrosion Organization (Prof. G Schmitt)

In order to increase the visibility of the ICC for its member societies and their representatives in the ICC the executive committee of the ICC discussed options of cooperation with other corrosion related organizations. Among other options the highest benefit appears to result from a cooperation with the World Corrosion Organization (WCO). The WCO is a not-for-profit organization functioning as an umbrella organization for not-for-profit organizations that have a significant interest in corrosion control and/or corrosion research (www.corrosion.org).

The WCO was founded in 2007 by the European Federation of Corrosion (EFC), NACE International (USA), the Chinese Society for Corrosion and Protection (CSCP) and the Australasian Corrosion Association and includes



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presently more than 30 corrosion related associations, institutions and industrial partners as members from all parts of the world. In 2009 WCO became a non-governmental organization (NGO) of the United Nations (UN). WCO's vision is the implementation of effective corrosion control measures by corporations and governments globally. The mission is to facilitate global implementation of best practices in corrosion protection for public welfare. The WCO strives for raising the public awareness of corrosion and corrosion control by promoting the World Corrosion Awareness Day (last event was April 24, 2016) and fosters world-wide activities of member organisations to create visibility for corrosion in the public press which is important to support government actions. WCO promotes education programs in the field of corrosion and prevention for elementary and high schools taking into account socio-economic considerations. WCO makes use of existing social media and sponsors WCO sessions at member organization conferences. WCO lobbies continuously at the UN for corrosion control issues world-wide.

What are the advantages for the ICC to cooperate with the WCO? Both organizations share the same vision, both organizations operate globally. Both organizations can take advantage of global networks. The UN membership of the WCO as an NGO could open great opportunities for ICC member organisations to articulate globally on the UN level the need for research and development (R&D) in the wide and interdisciplinary field of corrosion and asset protection. This opens unique opportunities to highlight special local situations as they exist e.g. in developing countries. A simple example demonstrating the enormous impact of corrosion in everyday life on human health was contributed by Prof. Lucien Bonou from Burkina Faso, Africa, (presented at the 17th International Corrosion Congress in 2008 in Las Vegas, USA) by examining the metal composition of cooking pots produced in his country from recycled aluminium alloys. He found that besides some aluminium the material contained 32% iron, 10% copper and considerable amounts of other heavy metals (10% zinc, 2.5% lead, and 0.12% cadmium). For a corrosionist it is clear that such "aluminium" pots corrode heavily during cooking of ordinary meals, and all the poisonous heavy metal corrosion products are eaten with the meals, making people ill. This was one of the examples in the "White Paper" issued by WCO in 2008 (Global Needs for Knowledge Dissemination, Research, and Development in Materials Deterioration and Corrosion Control, www.corrosion.org) which convinced the UN to accept the application of WCO as a NGO. There are much more similar examples out there which could be made publicly aware by ICC member societies in the future using WCO channels to the UN.

Joining forces between ICC and WCO would considerably increase the opportunities of both ICC and WCO to realize their common global visions. It would enhance the global effectiveness of their actions via existing networks and the UN. It would be a clear win-win-situation. An optimum influence on the actions of the WCO would be realized by ICC becoming a WCO member with permanent seat in the board. This is possible and would automatically include the cooperation with other powerful corrosion organizations like the European Federation of Corrosions (EFC) and Chinese Society for Corrosion and Protection (CSCP) and would significantly increase the visibility of ICC. A membership in the WCO would underline the individuality of the ICC as a global association of organizations with interest in corrosion, corrosion research and asset protection. This is comparable to the status of the EFC which is as well an association of organizations, however in this case of European organizations. The membership of ICC in the board of the WCO includes a membership fee. The financial situation of the ICC is sound enough to bear the annual fees over the years.

On the next meeting of the ICC at the joint congress of the EFC and the ICC in Prague, Czech Republic, September 3-7, 2017, the ICC delegates will be asked to agree to the suggestion of the ICC executive committee to apply for a membership in the WCO with seat in the WCO board. Your opinion is greatly appreciated.

European Federation of Corrosion (Prof. C Arroyave)

Following the approaching between the ICC and the EFC boards, held along last years, there was a new meeting last September in Montpellier (France), in the frame of the Eurocorr2016. In addition to some very positive discussions about the importance of collaboration ICC-EFC, including results like the coming joint Congress in Prague 2017, a decision concerning with the constitution of an inter-organisational commission, was taken. This commission will have the role of a continuous exploration of new possibilities of collaboration to be proposed to the boards, looking for their assessment and eventual approval. From the ICC side, professors Emma Angelini and Günter Schmitt were elected as delegates to such commission.

Process for the election of the next Vice-Chairmen

The appointed Nominating Committee, integrated by Doctors Damien Feron (France), Zehbour Panossian (Brazil), Xiaogang Li (China), R. Abdel-Karim (Egypt) and chaired by Professor Gerald Frankel (USA), recommended to the Executive Committee of the ICC the following names as candidates for Vice-Chairmen (First and Second) of the Council for the period 2018-2020:

Brazil: Zehbour Panossian

India: V.S. Raja

Italy: Emma Angelini (Current Second Vice-President)

Kuwait: Abdulhameed Al-Hashem

Netherlands: Johannes Matheus Cornelis Mol

On the other hand, and according to the point 6.6 of the by-laws, it is important to remember that "The report of the Nominating Committee shall state the right of the Council members to make additional nominations by petition. A nomination by petition shall bear the signatures of not less than six members of the Council. To be included on the ballot, a nomination by petition must be received by the Chairman of the Council not later than seven months before the start of the next Congress." Consequently, the Executive Committee will be expecting for any news and comments regarding this election. Furthermore, a ballot for voting will be distributed in due time.

Bids for the ICC Congress in 2020

In order to prepare the selection of the 21st ICC Congress host country, the Executive Committee invites National Delegates to postulate their Countries as a venue for the congregation of the international community of corrosionists in 2020. For such purpose, we invite all of you to submit a bid, taking into account the basic conditions enounced in chapter 7 of our by-laws (<http://icc-net.org/icc-bylaws/>).



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Young Researcher Award (Prof. M. Morcillo)

The ICC is an international organization of corrosionists among its objectives is to facilitate attendance at their congresses of promising young corrosion scientists or engineers. Thus, the ICC offers travel awards to young researchers necessarily with the degree of Ph.D., having it recently obtained and properly accredited by the respective university. The award consists of an amount of money to cover flight ticket and the registration fee of the Congress. The award winners will be selected based on the CV and financial needs of the applicants. Preference will generally be given to applicants from developing countries. We encourage informing young corrosionists of your country the existence of this award. For more information please visit the ICC webpage. Remember that applications shall be submitted to the ICC Chairman before February 3, 2017.

Renewal and nomination of new members of the ICC

Looking for the strengthening and projection of our Organisation, a strong and very representative corps of delegates representing more and more countries must be one of the main purposes of all the members of the ICC. Consequently, current times are very proper for the promotion of new nomination and re-nomination of new and current national delegates, both from countries belonging to the ICC, but also new ones. Acceptances of new delegates will be done during the coming general assembly in the frame of the 20th ICC Congress, in Prague. The EC wish to send a broad call and invitation for all the corrosionists around the world, but especially to the national delegates to promote the nomination of new members, and the re-nomination of others currently acting as delegates to the ICC. The following are the statements extracted from our by-laws, related directly with this subject:

“5. Council Membership

5.1 Each member country is entitled to two representatives on the Council

5.2 Representatives on the Council shall, where possible, be persons affiliated with a nationally recognised corrosion society or with societies having a significant interest in corrosion. If no corrosion society exists, membership may be proposed by a national society, by a University, by a major research organisation or by a major industry with interests in corrosion or allied subjects

5.3 More than one society within a country having an interest in corrosion can be represented on the Council, provided that there shall be no more than two Council representatives from that country. If more than two representatives are proposed the responsible societies shall be required to resolve the situation

5.4 The Council must be informed of the appointment of representatives by a letter mailed to the Chairman of the Council, with copies to the other members of the Executive Committee, from a responsible officer of the national society

5.5 If a representative cannot attend a Council meeting, he may appoint a proxy. Notification in writing of this appointment must be delivered to the Chairman of the Council at the meeting. If a representative is absent from two consecutive Council meetings, the responsible appointing body will be requested to re-examine his appointment

5.6 A representative will remain a member of the Council until replaced by the appointing body of his country. Confirmation of previous appointments or new appointments should take place every six years.”

Related conferences

4th International Corrosion Engineering Conference (Prof. Xiaogang Li, Vice President and Secretary-General, Chinese Society for Corrosion and Protection)

ICEC2016 was held in Beijing on August 8-11, 2016. This was the 4th International Corrosion Engineering Conference, following ICEC2007 in Korea, ICEC2010 in Vietnam and ICEC2014 in Libya. The conference was organized by the Chinese Society for Corrosion and Protection (CSCP) and supported by International Corrosion Council (ICC), China Association for Science and Technology and National Science and Technology Infrastructure Center. Co-organizers of this event were National Environmental Corrosion Platform and Corrosion & Protection Center of University of Science and Technology Beijing. The conference chairs were Professor Baorong Hou from Institute of Oceanology of CAS and Professor Fuhui Wang from Northeastern University of China. The conference secretary-general was Professor Xiaogang Li from University of Science and Technology Beijing.

Plenary Speakers of the conferences were:

Digby Macdonald	University of California at Berkeley, USA
Baorong Hou	Institute of oceanology, Chinese Academy of Sciences, China
Srdjan Nesic	Ohio University, Ohio, China
Lijie Qiao	University of Science and Technology Beijing, China
Andrej Atrens	The University of Queensland, Australia
Philippe Marcus	CNRS-Chimie ParisTech, France
Tongyi Zhang	Shanghai University, China
Gerhardus Koch	DNV GL, USA
Fuhui Wang	Northwest University, China
Oscar Rosa Mattos	Federal University of Rio de Janeiro, Brazil
Guangling Song	Xiamen University, China

The conference included 155 presentations (240 abstracts) in 14 sessions on six topics, i.e. Oil & Gas, Marine Corrosion, Coatings and Surfaces, Inspection and Monitoring, Advanced Materials and Engineering Applications, and Microbiologically-influenced Corrosion and Biofouling.

The conference has a total number of 460 attendees from 15 different countries (China, Australia, Brazil, Canada, Chile, France, Germany, Israel, Japan, Korea, Pakistan, Saudi Arabia, Thailand, UK, USA), and 30 exhibitors.

10th International Workshop on Application of Electrochemical Techniques to Organic Coatings
25th to 28th April 2017, Hotel Weissenburg in Billerbeck (near Münster), Germany).

The aim of the AETOC workshop is dealing with all the topics related to recent developments in the application of electrochemical techniques to the study and monitoring of coatings. The specific focus on organic coatings still found in the title has been widened with later editions nowadays also allowing electrochemical investigations for the development of novel hybrid, silane, sol-gel or self-healing coating systems. The meeting falls under the auspices of the European Federation of Corrosion Working Party Coatings.

Further information: <http://www.gfkorr.de/aetoc2017.html>, gfkorr@dechema.de

New collaboration agreement between the corrosion research groups of the Politecnico di Torino (Italy) and the Antonio Nariño University (Colombia)

Because of ICC goal oriented to foster international networks of collaboration around corrosion science and technology, it is significant to announce that in the space of the ICC activities, it was possible to answer to a call by the Politecnico di Torino, oriented to support exploratory approaches between its research groups and counterparts in some other countries. Fortunately, a proposal submitted between the groups led by professors Emma Angelini (Politecnico di Torino, Italy) and Carlos Arroyave (Antonio Nariño University, Colombia), have been approved. This is a very good example of the role of ICC and the importance of the promotion and exploration of possibilities worldwide, which must be considered and used by the countries, institutions, and people related with ICC, looking for the strengthening and continuous development of new knowledge on corrosion problems and anti-corrosion methods.

Finally, I wish to take advantage of this opportunity to invite all of you to visit and use the WEB page of the ICC (<http://icc-net.org/>), which has a new design and new options for the promotion and sharing of all the news and activities related with corrosion science and technology in the international arena.

Yours sincerely,

Carlos Arroyave
President 2015-2017