

Sunday, April 24, 2022

You are reading the
new ICC Newsletter!

A new format to easily
disseminate information about
our Association and to keep you
updated about future activities.

Every year, the 24th of April is the
Corrosion Awareness Day:
ICC celebrated it with a video
showing some of the activities
of its Members.
Have a look on ICC website!

ICC has landed on LinkedIn:
follow the page to get all news!

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<https://icc-net.org/>

President's message

DEAR Members of the International Corrosion Council,
it is my pleasure to welcome you to this new edition
of the ICC Newsletter. After 19 issues, we decided to
renovate it; I hope you will appreciate this new format!

I took office as ICC President at the 21st International
Corrosion Congress, organised in July 2021. More
information about this event can be found in the next
section, but I would like to personally express my
sincere gratitude to the Brazilian Corrosion Association
(ABRACO) and to Dr. Zehbour Panossian for the excellent
work done in organising our Conference. I would
like also to thank again Prof. Günter Schmitt for the
outstanding leadership over the years of his term of
office as ICC President. Last but not least I would like to
thank Dr. Tim Gommlich for his valuable activity as ICC
Secretary and Treasurer in the years from 2017 to 2021.

During the ICC Congress the new Executive Committee
was nominated, and it is now actively working on the
new initiatives to be undertaken by ICC. You will find
some of them presented in this issue of our Newsletter,
dedicated in particular to the Corrosion Awareness Day.
Thanks to the contributions of many ICC members, we
were able to prepare a video showing some of their
activities in the field of Corrosion.

I look forward to your participation in future
ICC initiatives. Never forget that one of the ambitions for
our Association is to promote cooperation and friendship
among corrosionists all over the World!

Emma Angelini



21st International Corrosion Congress (July 2021 - São Paulo, Brazil)

In July 2021 the ICC Congress has been held. It was postponed from 2020 due to COVID pandemic (it was planned for May 2020 in São Paulo, Brazil), and for the same reason it has been organised as a virtual event. Despite the difficult circumstances, the outcome was a clear success, both from organizational and scientific point of view. It was organised by the Brazilian Corrosion Association (ABRACO) in conjunction with the INTERCOR Conference, the most representative Brazilian corrosion prevention event. With no doubt, this online meeting has been an ideal opportunity to be in virtual contact with an always growing worldwide corrosion community.

15 Technical Sessions were organised, concerning all the most relevant topics related to corrosion. Moreover, an additional workshop was organised in collaboration with the World Corrosion Organization (WCO) about 'Corrosion and green energy'. Six plenary speakers, coming from five continents, presented their contributions:

- ❑ 'The Corrosion Resistance and Hydrophobic Properties of Electrodeposited Ni-Cu Foams Used As Electrodes for Supercapacitors', by Randa Abdel-Karim (Cairo University, Egypt);
- ❑ 'A New Paradigm for Designing Corrosion Resistant Materials', by Gerald Frankel (Fontana Corrosion Center – Ohio State University, USA);
- ❑ 'A discussion about establishing a corrosion mechanism', by Oscar Rosa Mattos (Universidade Federal do Rio de Janeiro – UFRJ, Brazil);
- ❑ 'Mitigation of Flow-Induced Localized Corrosion with Corrosion Inhibitors', by Günter Schmitt (IFINKOR, Germany);
- ❑ 'Role of surface films on hydrogen active-metal interactions-strategy for developing hydrogen embrittlement resistant alloys', by V.S. Raja (Indian Institute of Technology Bombay, India);
- ❑ 'Corrosion of Additively Manufactured Alloys: Some examples', by Nick Birbilis (The Australian National University, Acton, Australia).

The ICC Congress had more than 470 attendees, with a total of 137 oral presentations and 96 posters. Despite a large participation from Brazil, a wide geographical diversity was respected. These results confirm the importance of the ICC Congress as one of the most distinguished events worldwide in the field of corrosion.

Awards

During the Congress, the ICC Awards were presented. The Marcel Pourbaix Award was assigned to Prof. Mario Ferreira (University of Aveiro, Portugal) and Prof. Tetsuo Shoji (Professor Emeritus, Tohoku University). Both recipients gave a lecture after the Opening Ceremony: Prof. Ferreira presented the most recent advances about 'Sustainable and Self-healing Materials for Corrosion Protection', while Prof.

Shoji delivered the presentation 'Crack Tip Mechano-Chemistry and Roles of Hydrogen'. The Marcel Pourbaix Award was established in 1995 and it is awarded to corrosion scientists for outstanding contributions to international cooperation in the field of metallic corrosion. No restrictions as to membership in ICC or in other societies apply in order to qualify for this Award.

Prof. Carlos Arroyave received the 'Past Chairman Award', to acknowledge his valuable service for ICC during the term of office from 2014 to 2017. This Award was established in 1971 for outgoing Chairman of the International Corrosion Council.

Dr. Zehbour Panossian received the 'Edward Greco Award', to recognize her enthusiastic and valued work carried out in the organization of the Congress. This Award was established in 1993 for the Chairman of the Organizing Committee of ICC Congresses.

New officers election

During the Congress, the ICC General Assembly elected the two Vice-Presidents, who remain in office during the three-year term of the Executive Committee. The ICC delegates elected Prof. V.S. Raja as First Vice-President and Dr. Z. Panossian as Second Vice-President. Prof. E. Angelini, who was formerly First Vice-President, became the new ICC President. The ICC General Assembly approved the appointment of Prof. S. Grassini as the new Secretary and Treasurer of the ICC.

Venue for next International Corrosion Congress

As expected by ICC By-Laws, during the 2021 Congress the ICC delegates were asked to choose the venue for next Congress. The choice was between the bid from the Australasian Corrosion Association (ACA) and the Chinese Society for Corrosion and Protection (CSCP). The result was in favor of the latter proposal, so next ICC Congress will be held in 2024 in Xi'an, China. Further information about event preparation will be provided in the next issues of this Newsletter.



Marcel Pourbaix Medal, awarded during the International Corrosion Congress.

2022 Corrosion Awareness Day

The 24th of April is internationally recognized as the Corrosion Awareness Day. All around the World, associations, companies, and individuals celebrate this important day organising events, contests and seminars to explain to policy makers and general public the need to study and prevent corrosion.

This year, ICC decided to prepare a short video showing some of the activities carried out by ICC Members, evidencing novel methodologies and challenges related to particular corrosion issues in the different countries. The video is available on ICC website (<https://icc-net.org>) and on ICC social media. A special thank goes to the ICC members who decided to send their contribution for the 2022 Corrosion Awareness Day: H. Otmacic Curcovic (University of Zagreb, Croatia), A. Farooq (University of the Punjab, Pakistan), G. Frankel (The Ohio State University, USA), H. Gerengi (Duzce University, Turkey), L. Iannucci (Politecnico di Torino, Italy), and A. Lame (University of Tirana, Albania).

ICC on LinkedIn

In the middle of April, ICC started its activity on LinkedIn. This social network is generally recognized as the best platform for professional networking and career development, and it counts more than 800 millions users worldwide.

The ICC channel, created and managed by Leonardo Iannucci (Politecnico di Torino, Italy), received good feedback since the start, and after the publication of the first post it already gathered more than 180 followers. We are confident that the interest in our channel will

increase even more in the next months, when additional material will be published. This platform will become very important to promote future initiatives and then to provide information about next ICC Congress in 2024.

Initiatives for the future

The first step to improve visibility for our Association is represented by this Newsletter. Our intention is to publish it on a regular basis, ideally in April, in September and then in December. Together with our website (<https://icc-net.org>) and the LinkedIn channel, it will be an additional tool to keep both ICC Members and general public updated about new activities and opportunities connected to ICC.

The Executive Committee is working on the establishment of a new branch inside ICC: the ICC You-Corr. The intention is to involve young corrosionists in the activities of our Association, letting them also organize new events and initiatives to create a large worldwide network of young corrosionists. Doctoral students and young professionals will be primarily addressed. If you would like to be involved, feel free to contact us at icc.corrosion@gmail.com. Additional information about this new initiative will be provided in the next months.

If you are an ICC Member, please check if your contact information on ICC website (<https://icc-net.org>) is correct. In case you would like to change anything, please contact icc.corrosion@gmail.com or the ICC Secretary.

If you have any comment on this Newsletter or you would like to report regional or national activities, please contact icc.corrosion@gmail.com.



Some snapshots from the video prepared by ICC for the 2022 Corrosion Awareness Day.