

**Minutes of the Virtual General Assembly of the 21st ICC Congress
(Draft, to be approved at the 22nd ICC in 2024 in Xi'an, China)**

1st Meeting (virtual)

Date, Time: Monday, July 19th, 2021, 08:00-10:00 (Brazilian time, GMT-3)

1. Opening of the meeting

ICC president Prof. Günter Schmitt (GS) opens the meeting and welcomes all participants. After thanking Prof. Zehbour Panossian and the ABRACO organisation team for their organizational efforts, he opens part 1 of the virtual General Assembly (GA).

2. Round call of participants

GS presents the attendance list and checks attendance of the members. (Annex 1)

3. Acceptance of newly nominated and re-nominated ICC delegates

GS shows the list of members including members that have been newly nominated or re-nominated during the period 2017-2021 (Annex 2). Based on this list the GA confirmed all memberships for the period (2021-2024) by virtual hand raising.

GS asks for a moment of silence for the memory of Prof. George Thompson, UK († Dec.9, 2020; 1946-2020) and Prof. Venice Gouda, Egypt († March 21, 2021; 1934-2021).

4. Approval of the agenda

GS presents the Agenda of the GA to be held in two parts on July 19th and July 21st, 2021. The agenda is approved unanimously by virtual hand raising.

5. Approval of the minutes of the GA held at the 20th ICC in Prague (Czech Republic)

The minutes of the GA meetings held during the 20th ICC Congress in Prague (Czech Republic), which had been displayed as a draft since 2018 on the ICC webpage and distributed by e-mail and in the Newsletter No. 18, is approved unanimously by virtual hand raising.

6. Executive Committee (EC) reports

GS reports on the activities of the EC in the last term. He notes that most of the activities carried out in the period 2017-2021 have been already presented in the ICC Newsletters No.18 and 19 (www.icc-net.org). He summarizes the most relevant activities as follows:

- ICC-EC face-to-face meetings (mostly together with the organizer of the 21st ICC, ABRACO, represented by Prof. Zepir Panossian and colleagues) in
 - Krakow, Poland (2018-09-13),
 - Nashville/Tennessee, USA (2019-03-26)
 - Seville, Spain (2019-09-13).
- Due to COVID-19 pandemic the decision was taken to postpone 21st ICC Congress (planned for May 2020 in Sao Paulo, Brazil) first to December 2020 (still planned as physical meeting) and finally to 20-23 July, 2021 (virtual).
- ICC-EC held virtual meetings with Prof. Panossian and further representatives of the Brazilian congress organization team in February, April, June, July 2021.

- GS designated the Nomination Committee for incoming ICC Officers including Damien Féron/France (coordinator), David Young/Australia, Gustavo Duffó/Argentina.
- The Nomination Committee came up with a list of 6 candidates: Randa Abdel-Karim (Egypt), Mario Ferreira (Portugal), Milan Kuril (Czech Republic), Xiaogang Li (China), Zehbour Panossian (Brazil), V.S. Raja (India)
- With the aim of increasing the visibility of the ICC, GS presented the ICC as its president at a number of international meetings, workshops and conferences including
 - meetings of the Board of Administrators (BOA) of the World Corrosion Organization (WCO) in
 - Phoenix/Arizona, USA (2018-04-17)
 - Krakow, Poland (2018-09-11)
 - Nashville/Tennessee, USA (2019-03-26)
 - WCO Workshops:
 - WCO forum „Corrosion in low-carbon energies (Renewables, Nuclear, CCUS)“ at NACE/AMPP CORROSION 2021; presentation GS: Hydrogen Technology – is existing corrosion knowledge sufficient? (2021-04-26)
 - WCO Workshops: WCO forum „Green energies“, 21st ICC congress 2021; presentation GS: Hydrogen Technology is Coming – Challenges for Materials Corrosion (2021-07-20)
 - Conferences (by invitation):
 - „Corrosion Prevention Balkans 2018“, Plovdiv, Bulgaria (2018-06), Plenary: „Global Needs for Knowledge Dissemination, Research and Development“, (WCO White Book). Conference aim: networking between corrosionists in Bulgaria
 - „Corrosion Russia: Corrosion in the Oil and Gas Industry“, St. Petersburg, Russia (2019-05), GS presents ICC's aims and visions
 - CORROSION 2019, Warsaw, Poland (2019-05)
 - Continuing discussions on different levels with other organizations (EFC and NACE/AMPP) on modes of cooperation.

6.2 Secretary Report

GS presents the report:

- In cooperation with the ICC-EC members the secretary organized the nomination of new delegates and the re-nomination of current national delegates.
- During the last term the number of ICC member countries increased from 60 (2017) to 68 (2021).
- Approval of 53 new and re-nominated ICC delegates.
- The secretary regularly updated the ICC website.

6.3 Treasurer report

President GS presents the summary of the account statements and the financial situation of the ICC:

- Total income (2017-08-21 to 2021-05-12): € 67,732.13.
- Expenses included bank charges, travel costs of EC members to EC meetings, WCO membership fees, maintenance of the ICC website: € 21,777.80
- Money in account (2021-07-16): € 45,954.33

The GA approves the financial statement.

6.4 ICC Awards report

GS presents the winners of the Marcel Pourbaix Award

- Prof. Mario Ferreira and
- Prof. Tetsua Shoji.

GS congratulates the awardees for their outstanding contributions to the international cooperation in the field of metallic corrosion.

6.5 Nomination of 3 tellers for evaluation of ballots for election of new ICC officers

For the evaluation of the ballots that had been sent out to all eligible representatives of ICC members and received by the ICC secretary by 17 July 2021, GS nominated Jorge Calderon (Colombia), Gregor Mori (Austria), Daniel de la Fuente (Spain) prior to the GA as tellers. The tellers accepted to evaluate the ballots using a ballot evaluation sheet (Excel-file) which had been developed in the EC to cope with the virtuality of the GA. In this ballot evaluation process only the ICC secretary and the three tellers became knowledge of the individual ballot. This procedure was proposed by the EC and approved by the GA.

7. Overview of the coming 21st ICC Congress

Prof. Panossian, chairing the local organizing committee for the 21st ICC Congress, gives the following information

- >470 Attendees
- 6 Plenary Lectures (from 5 continents)
- 2 Award Lectures
- 19 Keynote Lectures
- 137 Oral presentations
- 96 Posters

8. Venue for the 22nd ICC International Corrosion Congress (2024).

GS welcomes the representatives of the two bidders for hosting the next ICC congress in 2024:

- Australasian Corrosion Association (ACA)
- Chinese Society for Corrosion Protection (CSCP)

Ross Boucher, representing the ACA, and Prof. Dawei Zhang, representing the CSCP, explain the biddings of their organizations in a 10 minutes presentation. The ACA proposes Adelaide/Australia and the CSCP Xi'an/China as venue for the next ICC. The presentations are followed by a Q&A session.

9. ICC Membership in the WCO

GS recalls that in Prague 2017 the GA decided the ICC to become a member of the WCO with a seat in the WCO-BOA. However, at the next GA the GA shall decide on further continuation of the membership.

GS summarizes the aims and visions of the WCO and explains why the ICC should support the WCO with its membership.

ICC and WCO share the same vision and operate globally. Both organizations take advantage of global networks. UN recognition of WCO as NGO opens great opportunities for ICC member organizations to articulate globally on the UN level the need for R&D in corrosion and corrosion control (C&CC). This opens unique

opportunities to highlight openly special local situations existing e.g. in developing countries.

It is in the interest of the ICC to support WCO's successful global activities to increase the public corrosion awareness as the key to intensify funding of R&D in C&CC. It is specifically aimed at increasing the corrosion awareness of laypersons on how C&CC affects our daily life and to convince individuals responsible for functionality in healthcare, industrial processes, public infrastructure, environmental sustainability, public safety, social integrity, and economic efficiency and convince deciders in industrial companies, administrations and politics that C&CC needs public attention and support, everywhere.

GC concludes that the ICC membership in WCO has a symbiotic character. Joint efforts of both organizations increase the impact to reach their goals. With the ICC president as a member in the WCO board the ICC can influence the direction of WCO activities. ICC membership in WCO is a win-win situation. As shown in the financial statement the ICC can financially afford the WCO membership. The WCO membership increases significantly the visibility of the ICC.

Secretary Tim Gommlich (TG) starts the ZOOM poll for the continuation of the WCO Membership. GS presents the results of the poll:

- in favour to continue the WCO membership: 89 %
- against continuation of WCO membership: 5 %
- abstentions: 6 %

Thus, the GA clearly voted for the continuation of the ICC membership in the WCO.

After the voting GS closes the 1st part of the virtual GA held at the 21st ICC congress.

2nd Meeting (virtual)

Date, Time: Wednesday 21st July, 2021, 10:30-12:30 (Brazilian time, GMT-3)

10. Round call of participants

GS presents the attendance list and checks the attendance of the members (Annex I)

11. Election of 1st and 2nd Vice-President of ICC

GS presents the results provided by the 3 tellers:

- V.S. Raja (India), First Vice-Chairperson
- Zehbour Panossian (Brazil), Second Vice-Chairperson

GS thanks the tellers for their service. Prof. Raja and Prof. Panossian accept the vote. GS congratulates the winners of the election and thanks all candidates in this election for their general willingness to support the ICC aims.

12. Venue for the 22nd ICC International Corrosion Congress in 2024

With 5 minutes presentations the bidders summarize their invitations to host the 22nd ICC in 2024. Prof. Dawei Zhang presents the Chinese candidature and Kingsley Brown the bid of ACA.

GS reminds to both candidates that the elected host country and its representatives will have to sign the compromise to fulfill the ICC bylaws (chapters 7 and 8), securing the following points:

- Access for all bona fide participants.
- The Organizing Committee of the Congress shall provide to the ICC an amount of 5% of the registration fees.

Both candidates accept this compromise.

Secretary TG starts the ZOOM-poll for the election of the host for the 22nd ICC in 2024. GS presents the results of the poll:

- in favour for the ACA-bid 36 %
- in favour for the CSCP-bid 60 %
- abstentions 4 %

Thus, GS announces that the CSCP has won the election. GS thanks both candidates for the bidding and congratulates the CSCP representative for winning the election. On behalf of the CSCP Prof. Dawei Zhang accepts the vote of the GA and confirms that the CSCP will organize the 22nd ICC Congress in 2024 in Xi'an/China according to the ICC bylaws (chapters 7 and 8).

13. Statements of Prof. Emma Angelini, incoming president of the ICC

Prof. Emma Angelini (EA), as incoming president of the ICC for the period 2021-2024, congratulates Prof. Dawei Zhang for the election and for choosing Xi'an as venue for the next ICC congress. EA gives a short presentation about her affiliation, the Politecnico of Torino, and proposes Dr. Sabrina Grassini to become the new secretary/treasurer of the ICC. The GA welcomes this proposal.

EA gives an overview on future planned activities of the ICC, highlighting the following objectives:

- Supporting ICC delegates and volunteers
- Fostering knowledge transfer on corrosion and corrosion control
- Continuing the efforts to include more member countries in the ICC.
- Cooperation with WCO, EFC, NACE/AMPP, ACA, CSCP and regional and national associations
- Delegates engagement: social media, spreading ICC Newsletters among national corrosion associations
- Cross border collaboration with associations concerning the environment, cultural heritage, sensorics, protection of materials
- Establishing a group of "Women in corrosion"
- Encourage young corrosionists to interact with other colleagues in the ICC Community
- Encourage education and training in corrosion science and engineering for students

14. Other Business

No subjects were raised under this item.

15. Closure of the GA

GS thanks all participants for virtually attending and closes the 2nd part of the GA.

Annex I - ICC GA Attendance List

Country	Delegates	GA 1 attendance	GA 2 attendance
Austria	Gregor Mori	x	
Brazil	Zehbour Panossian	x	x
	Simone Brasil		x
Canada	Jingli Luo		x
Chile	Maritza Paez		
	Manuel Meléndrez Castro		
Colombia	Carlos Arroyave	x	x
	Jorge Calderon	x	x
Croatia	Helena Otmacic Curkovic	x	x
Czech Republic	Milan Kouril	x	x
Egypt	Randa Abdel-Karim		x
France	Damien Féron		x
Germany	Günter Schmitt	x	x
	Ralf Feser		
Greece	Panayota Vassiliou	x	
India	V.S. Raja	x	x
Italy	Emma Angelini	x	x
Mexico	Ricardo Cruz		x
Nepal	Amar Yadav	x	x
Portugal	Mario G.S. Ferreira	x	x
Peru	Isabel Diaz Tang	x	x
	Catherine Benavente		x
Singapore	Daniel J. Blackwood	x	x
Spain	Daniel de la Fuente	x	x
Turkey	Mustafa Urgan	x	x
United States	Gerald Frankel		
	Raul Rebak	x	x
Venezuela	Oladis Troconis de Rincón	x	x
Bidder Australia	Ross Boucher	x	x
	Kingsley Brown	x	x
	Ashley Caspers	x	x
Bidder China	Dawei Zhang	x	x
	Xiaogang Li	x	
ICC Secretary	Tim Gommlich	x	x
Japan	Tetsuo Shoji	x	x

Annex II – Newly nominated and re-nominated ICC Delegates

Country	Delegates	New Member/ Renomination
Argentina	Dr. Silvia Marcela Ceré	New
	Dr. Gustavo Duffó	Renomination
Australia	Prof. David Young	Renomination
Austria	Prof. Gregor Mori	Renomination
Belgium	Prof. Herman Terry	Renomination
Brazil	D. Sc. Simone Brazil	Renomination
	Dr. Zehbour Panossian	Renomination
Chile	Prof. Dr. Manuel Meléndrez Castro	New
Colombia	Prof. Enrique Vera	New
Czech Republik	Dr. Milan Kouril	Renomination
	Dr. Katerina Kreislova	Renomination
Cuba	Dr. Rigoberto Marrero Águila	New
Denmark	Prof. Dr. Rajan Ambat	Renomination
Egypt	Prof. Randa Abdel-Karim	Renomination
Finland	Prof. Mari Lundström	New
	Mr. Esa Virolainen	New
France	Dr. Damien Féron	Renomination
	Prof. Philippe Marcus	Renomination
Germany	Prof. Günter Schmitt	Renomination
	Prof. Ralf Feser	Renomination
Greece	Prof. Panayota Vassiliou	Renomination
	Dr. Eugenia Symnitis	Renomination
India	Prof. V.S. Raja	Renomination
Italy	Prof. Emma Angelini	Renomination
Kuwait	Dr. Khaled Habib	Renomination
	Dr. Abdulhameed Al-Hashem	Renomination
Lithuania	Prof. Dr. Algirdas Sulcius	Renomination
Netherlands	Prof. Arjan Mol	Renomination
Nepal	Prof. Dr. Amar Yadav	New
New Zealand	Dr. Patricia Shaw	New
	Ing. Willie Mandeno	Renomination
Pakistan	Ameeq Farooq	New
Peru	Prof. Isabel Diaz Tang	Renomination
	Catherine Benavente	New
Poland	Dr. Lech Kwiatkowski	Renomination
Portugal	Dr. Teresa C. Diamantino	Renomination
	Prof. Mario G.S. Ferreira	Renomination
Romania	Prof. Alexandra Banu	Renomination
Russia	Prof. Sergey Gnedenkov	Renomination
	Prof. Valentin Sergienko	Renomination
Singapore	Dr. Jianhai Qui	Renomination
	Assoc. Prof. Daniel J. Blackwood	Renomination
Sweden	Dr. Rachel Pettersson	Renomination
	Johan Tidblad	New
Tunisia	Prof. Leila Dhouibi	Renomination
	Dr. Yasser Ben Amor	New

Taiwan	Prof. Wen-Ta Tsai	Renomination
Ukraine	Dr. Vasyl Pokhmurskii	Renomination
	Prof. Felix Danilov	Renomination
United States	Prof. Gerald Frankel	Renomination
	Raul B. Rebak	New
Vietnam	Prof. Mai Thanh Tung	New
	Prof. Nguyen Nhi Tru	Renomination