

**2022 International Conference on Corrosion Protection and Application
(ICCPA 2022)
Conference Notice**

Chengdu, Sichuan, China May 27-May 30, 2022

**Conference Theme: Focusing on Carbon Peak and Carbon Neutrality to Promote the Building of
a Community with a Shared Future for Environment**

Corrosion, a common problem faced by all countries in the world, has caused great losses to mankind. It has not only resulted in a large number of disastrous accidents, the exhaustion of precious resources and energy as well as the environmental pollution, but also done great harm to human life, human health and ecological balance. Besides, corrosion has seriously undermined the national economy. Statistics show that, the economic loss caused by corrosion each year worldwide accounts for roughly 3% ~ 5% of GNP, and that in China accounts for about 3.4% ~ 5% of GDP. Corrosion has become an important factor in the sustainable development of national economy and society.

Research shows that at least 30% of the corrosion can be controlled by popularization of science, studies and technology application. The researchers both at home and abroad have been working on innovation to reduce the losses caused by corrosion, which have made great achievements.

The 2022 International Conference on Corrosion Protection and Application, hosted by European Federation of Corrosion (EFC), Sichuan Association for Science and Technology, Chongqing Association for Science and Technology, and Chinese Society for Corrosion and Protection (SCP), will be held in Chengdu, Sichuan Province, China from 27th May to 30th May in 2022 on the theme of *Focusing on Carbon Peak and Carbon Neutrality to Promote the Building of a Community with a Shared Future for Environment*. Members of Chinese Academy of Sciences (CAS), Chinese Academy of Engineering (CAE) and Academia Europaea as well as experts and scholars at home and abroad are invited to deliver keynote speeches on the conference. Also, scholars and leaders in the industry are invited to engage in extensive and in-depth exchange and discussions on the latest achievements and events in corrosion protection and application so as to promote its high-quality development. Professionals engaged in relevant fields all over the world are welcome to attend the conference and deliver contributions.

Conference Organizers

1. Hosts

European Federation of Corrosion (EFC)
Sichuan Association for Science and Technology
Chongqing Association for Science and Technology
Chinese Society for Corrosion and Protection

2. Organizers (in Random Order)

Southwest Institute of Technology and Engineering
Southwest Petroleum University
Service Center for Academic Societies of SCAST
Institute of Materials, China Academy of Engineering Physics
Institute of Oceanology, Chinese Academy of Sciences
Shanghai Maritime University
Chongqing University of Technology
National Engineering Research Center for Magnesium Alloys
Sichuan Society for Corrosion and Protection
Sichuan Society for Metals
Chongqing Key Laboratory for Environmental Effect and Protection
China Ordnance Society Professional Committee of Anti-corrosion Packaging
Chongqing Wujiu Periodicals Press

3. Co-organizer

Material Corrosion and Protection Key Laboratory of Sichuan Province

4. Media Support

Journal of Magnesium and Alloys (SCI)
Surface Technology (EI)
Equipment Environmental Engineering

5. Advisers (Surnames Arranged in Alphabetical Order)

Xue-dong CHEN Yu-feng CHENG Wen-jiang DING Sheng-kai GONG Bao-rong HOU Wei
KE He-lin LI Yan-rong LI Ying-hong LI
Ping-ya LUO Xin-ping MAO Da-qiao MENG Fu-sheng PAN Shi-gang SUN Jun WANG
Kai-ming WU Jian-xin XIE Bin-shi XU
Qun-ji XUE Fu-ze ZHANG Tong-yi ZHANG Zhen-ye ZHAO Ke-song ZHOU

6. Chairmen

Dr. Jörg A. Vogelsang
Yan-rong LI
Fu-sheng PAN

7. Presiding Chairman

Hu-lin WU

8. Vice Chairmen (Surnames Arranged in Alphabetical Order)

Li-hua DONG Ji-zhou DUAN Xiao-gang LI Chang-jian LIN Ke-zhao LIU Bo TIAN

Lun-wu ZHANG

9. Academic Committee (Surnames Arranged in Alphabetical Order)

Domestic Committee Members

Bin BAI	Zhen-bing CAI	Fa-he CAO	Shou-gang CHEN	Yue-lian g CHEN	Ying-liang CHENG	Da-long CONG	Zhong-yu CUI	Chao-fan g DONG
Jun-hua DONG	Hui DONG	Ze-hua DONG	Cui-wei DU	Min DU	Yan-xia DU	Ji-zhou DUAN	Tao FA	Zhi-hong FAN
An-qing FU	Zheng-yua n GAO	Shi-feng GUO	Xing-peng GUO	Bing HAN	Ji-ming HU	Yin HU	Feng HUANG	Bin JIANG
Yi-ming JIANG	Peng-fei JU	Xue-song LENG	Jin LI	Jin-feng LI	Wen-ge LI	Yuan-hua LIN	Cun-guo LIN	Bin LIU
Cong LIU	Hong-fang LIU	Jing LIU	Jie LIU	Li LIU	Tao LIU	Xiao-pen g LU	Feng LU	Hong LUO
De-fu LUO	Zhan-peng LYU	Chun-fen g MA	Su-de MA	Guo-zhe MENG	Li-jie QIAO	Mao-bing SHUAI	Guang-lin g SONG	Ying-wei SONG
Ming-xian SUN	Zhi-hua SUN	Tao TANG	Li-bo TONG	Ai-ying WANG	Di-hua WANG	Fu-hui WANG	Jing-feng WANG	Jun WANG
Qin-ying WANG	Li-ping WANG	Peng WANG	Xiu-tong WANG	Xin-hua WANG	Shi-cheng WEI	Jian-hua WU	Jun-sheng WU	Liang WU
Lian-kui WU	Kui XIAO	Zhi-hui XIE	Da-ke XU	Dao-kui XU	Li-kun XU	Xiao-kui YANG	Liang-min YU	Mei YU
Da-wei ZHANG	Da-quan ZHANG	Ding-fei ZHANG	Jin ZHANG	Lei ZHANG	Peng-chen g ZHANG	Rui-yong ZHANG	Tao ZHANG	Yu-xin ZHANG
Fang-cha o ZHAO	Jing-mao ZHAO	Yu-gui ZHENG	Rong-chan g ZENG	Yu ZUO				

Foreign Committee Members

Eric AGEL	Rajan AMBAT	Ralph BÄßLER	BASSEGUY
Angus COOK	Jérôme CROUZILLAC	Teresa DIAMANTINO	Damien FERÓN
Ralf FESER	Wolfram FÜRBEETH	Terje GRØNTOFT	Gareth HINDS
Roy JOHNSEN	Arjan MOL	Bernard NORMAND	Marco ORMELLESE
Shiladitya PAUL	Peter PLAGEMANN	Frank PRENGER	Jim PRESTON
Tomáš PROSEK	Philippe REFAIT	Michael ROHWERDER	Mats STRÖM
Herman TERRYN	Johan TIDBLAD	Jörg A. VOGELSANG	Marc E. WILMS

Mikhail ZHELUDKEVICH

10. Organizing Committee Members (Surnames Arranged in Alphabetical Order)

Gui-xue BIAN	Lin-jiang CHAI	Xue-ting CHANG	Rong-rong CHEN	Shi-qiang CHEN	Ying-chu n CHEN	Xue-qun CHENG	Dan-qing FENG	Fei GUO
Na GUO	Zhang-we	Jian HOU	Hong-jun	Quan-ton	Yan-hua	Xiang-bo	Ying-cha	Cheng-lon

2022 International Conference on Corrosion Protection and Application
(ICCPA 2022)

	i GUO		HU	g JIANG	LEI	LI	o LI	g LIU
Hong-wei LIU	Na-zhen LIU	Tao LIU	Tong LIU	Zhi-yong LIU	Yan-long MA	LiMA	Peng QI	Jian-tao QI
Yan SHI	Kai-qiang SONG	Jian-bo SUN	Li-dong SUN	Yu-ming TANG	Yun-lei TANG	Hu WANG	Jing WANG	Jun-jun WANG
Xiao-ying WANG	Yi WANG	Chang-gan g WANG	Zhong-we i WANG	Zheng-bin WANG	Jia-jia WU	Tang-qin g WU	Jun-wei WU	Guo-qiang XI
Mao-chen g YAN	Ming-bo YANG	Yun-xi YAO	Xiao-fan ZHAI	Bin-bin ZHANG	Xian-hui ZHANG	Xin-xin ZHANG	Zhi ZHANG	Wen-jie ZHAO
Chuan-bo ZHENG	Xian-kang ZHONG	Zhi-ming ZHOU						

Theme Forum

I. Corrosion Protection of Nuclear Engineering and Nuclear Power Materials

President: Da-qiao MENG Member of CAS, Researcher of Institute of Materials, China Academy of Engineering Physics

Domestic Convener: Xiao-ying WANG Researcher, Institute of Materials, China Academy of Engineering Physics

Host: Institute of Materials, China Academy of Engineering Physics

Topics:

- 1) Surface Corrosion Behavior of High Activity Radioactive Material and Kinetic Mechanism
- 2) Corrosion Behavior of Nuclear Materials and Failure Mechanism
- 3) Corrosion Behavior of Nuclear Power Materials and Failure Mechanism
- 4) Corrosion Damage on Materials under Extreme Conditions and Failure Mechanism
- 5) Advanced Corrosion Protection Technology of Nuclear Engineering and Nuclear Power Materials

II. Corrosion and Protection of Marine Materials

Presidents: Peng WANG Researcher, Institute of Oceanology, Chinese Academy of Sciences
Da-ke XU Professor, Northeastern University

Da-wei ZHANG Professor, University of Science and Technology Beijing

Rui-yong ZHANG Researcher, Institute of Oceanology, Chinese Academy of Sciences

Foreign Convener: Philippe REFAIT, Professor, University of La Rochelle, France

Domestic Conveners: Ji-zhou DUAN Researcher, The Institute of Oceanology, Chinese Academy of Sciences

Tao LIU Professor, Shanghai Maritime University

Hosts: Institute of Oceanology, Chinese Academy of Sciences and Shanghai Maritime University

Topics:

- 1) Novel Marine Anticorrosion and Antifouling Materials
- 2) Marine Anticorrosion and Antifouling Coating Technology
- 3) Corrosion of Equipment Materials in Extreme Marine Environment and Controlling Methods
- 4) Microbiologically Influenced Corrosion and Relevant Methods for Inhibition
- 5) Detection and Evaluation Criterion for Corrosion in Marine Environment

III. Corrosion and Protection Technology in Petroleum Gas Industry

Presidents: Yun-lei TANG Professor, Southwest Petroleum University

Huai-yuan WANG Professor, Tianjin University

2022 International Conference on Corrosion Protection and Application
(ICCPA 2022)

Jing-mao ZHAO Professor, Beijing University of Chemical Technology

Foreign Convener: Marc E. WILMS Principal materials & corrosion engineer, Shell

Domestic Conveners: An-qing FU Professorate Senior Engineer, CNPC Tubular Goods Research Institute

Jian-bo SUN Professor, China University of Petroleum (East China)

Xian-kang ZHONG Professor, Southwest Petroleum University

Host: Southwest Petroleum University

Topics:

- 1) Mechanism of Corrosion of Metallic Materials in Oil and Gas Production
- 2) Development and Application of Efficient Corrosion Inhibitor
- 3) Material Selection and Corrosion Protection Technology in Extreme Oil and Gas Exploitation Environment
- 4) Application of Anti-corrosion Non-metallic Material and Advanced Coating Technology in the Exploitation, Storage and Transportation of Oil and Gas
- 5) Online Intelligent Monitoring Technique and Integrity Management of Pipelines

IV. Corrosion and Protection of Advanced Aerospace Materials

Presidents: Chen LUO Researcher, AECC Beijing Institute of Aeronautical Materials

Ya-ming WANG Professor, Harbin Engineering University

Tao ZHANG Professor, Northeastern University

Foreign Convener: Mikhail ZHELUDKEVICH Professor, Director of Institute, Institute of Surface Science, Helmholtz-Zentrum Hereon and University of Kiel

Domestic Convener: Yan-long MA Professor, Chongqing University of Technology

Host: Chongqing University of Technology

Topics:

- 1) Corrosion Behavior and Mechanism of Advanced Aerospace Materials
- 2) Conversion Coating Technology of Advanced Aerospace Materials
- 3) High-performance Coating Technology of Advanced Aerospace Materials
- 4) Corrosion Monitoring, Testing and Evaluation of Advanced Aerospace Materials

V. Test, Evaluation and Protection of Corrosion Effect

Presidents: Lun-wu ZHANG, Chief Expert, China South Industries Group Corporation; Deputy Director and Senior Engineer, Chongqing Key Laboratory for Environmental Effect and Protection

Ming-xian SUN Deputy Chief Engineer and Researcher, Luoyang Ship Material Research Institute, China Shipbuilding Industry Corporation (CSIC)

Kun ZHOU Senior Engineer, Southwest Institute of Technology and Engineering

Foreign Convener: Tomáš PROSEK Professor, University of Chemistry and Technology Prague

Domestic Conveners: Xiao-kui YANG Senior Engineer, Southwest Institute of Technology and Engineering

Fang-chao ZHAO Senior Engineer, Southwest Institute of Technology and Engineering

Hosts: Southwest Institute of Technology and Engineering, Chongqing Key Laboratory for Environmental Effect and Protection

Topics:

- 1) Intelligent Testing Technology of Corrosion Effect
- 2) Corrosion Behavior and Mechanism in Natural Environment
- 3) Dynamic and Static Stimulation of Acceleration Test of Corrosion Effect
- 4) Manifestation and Evaluation of Quantified Corrosion Effect
- 5) Integrated Comprehensive Protection against Corrosion Effect

Industry Forum

In order to further discuss the current situation and problems of corrosion and protection industry at home and abroad as well as the corresponding new materials, techniques and products, an industry forum is specially organized, and relevant enterprises are invited to deliver their reports, discuss difficult cases and release the latest research achievements so as to promote the deep cooperation of industries, colleges and institutes. Relevant workers are welcomed to scan the QR code of “Information Collection for Industry Forum” to fill in your problems, your cases, as well as the new materials, techniques and products available, etc. The organizing committee will provide you with the information collected in an appropriate way based on the actual situation to help you solve the problem or provide a platform to show your new products during the conference.

Language

Chinese and English, simultaneous interpretation available.

Paper

1. Scope: including but not limited to the topics discussed in academic forums.
 2. Format: abstract or full text.
 3. Instructions for authors: (1) the paper shall be written in English; (2) the content of paper shall not be delivered or published by other publications; (3) the paper shall be novel, scientific and practical; (4) the data and conclusion shall be dependable; (5) the moral rules for publication shall be followed; (6) no national secret shall be involved (for contribution from organization engaged in national defense, aerospace or military affairs, proof of non-confidentiality is required); and (7) the paper shall be saved as a Word document named as “author’s name + organization + serial number of theme forum”. In case of any oral presentation or poster, please write it down.
 4. Publication: (1) the paper will be included in the conference proceedings after it has passed the expert review, which will not be published in any form (including online) but for conference exchange only; and (2) outstanding paper will be promoted to the media support, namely *Surface Technology*, and be published in regular issue after normal review process (fees for going over and article processing are required).
 5. How and when to submit:
You are required to log in <https://iccpa2022.scimeeting.cn> for submission.
Please submit your paper before December 31, 2021 (for abstract) or February 28, 2022 (for full text).
- Please submit your paper in full text before December 31, 2021 if recommendation for publication in *Surface Technology* is required.**
6. For other information, please refer to Attachment 1 *Instructions for Authors*.

Timetable

Timetable: May 27, 2022 - Registration;
May 28, 2022 - Keynote Reports
May 29, 2022 - Reports on Academic Forum and Industry Forum

2022 International Conference on Corrosion Protection and Application
(ICCPA 2022)

May 30, 2022 - Closing & Evacuation

Location: Chengdu Xanadu Hotel

Accommodation: Chengdu Xanadu Hotel Double-bed room: RMB 500/room One-bed room:
RMB 500/room

Address: No. 71, South Section of Rongdu Avenue, Xindu District, Chengdu, Sichuan

Registration: Please log in <https://iccpa2022.scimeeting.cn> for registration, payment and hotel reservation.

Delegate Type	On-site		Online
	Pre-registration (Before March 31, 2022)	On-site Registration	
Ordinary	RMB 2,200	RMB 2,500	RMB 1,500
EFC Member (with Membership Card)	RMB 2,000	RMB 2,300	RMB 1,300
Student (with Student ID Card)	RMB 1,600	RMB 1,900	RMB 900

Important Dates

Date of Conference: from May 27 to May 30, 2022

Deadline for Contribution: February 28, 2022

Deadline for Online Registration: May 25, 2022

Registration Date of Conference: May 27, 2022

Contacts

Person in Charge: Ying-ying ZHANG 18580504768

Contribution to Conference: Chang-qing WAN 13608368424

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