

**EFC Event No.448**

## **International Conference on Corrosion Protection and Application (ICCPA 2019)**

**Oct. 9-12, 2019**

**Chongqing, China**

**Conference Theme: Technology sharing, coordinated development, jointly  
building a beautiful home**

Corrosion of metals is ubiquitous and harmful for almost all industries, such as oil, electricity, steel, ocean and so on. Its damage to the national economy is very serious and statistics shows the direct economic loss caused by metal corrosion annually is about 700 billion~1 trillion dollars. Corrosion is a common problem facing all mankind, and at least 30% of corrosion can be controlled through popularization of science, research and technology application. In order to reduce the loss caused by corrosion, researchers from home and abroad have made continuous efforts to innovate and obtained a large number of excellent research results.

European Federation of Corrosion (EFC), Chongqing Association for Science and Technology and Chinese Society for Corrosion and Protection will hold " International Conference on Corrosion Protection and Application (ICCPA 2019) " in Chongqing, China on Oct. 9-12, 2019, which aims at strengthening international technical exchanges and information sharing, seeking cooperation opportunities, and jointly addressing the challenges of corrosion problems.

This conference will invite academicians of Chinese Academy of Engineering, Chinese Academy of Sciences, EU Academy of Sciences and well-known experts and scholars from home and abroad to make special reports, and also invite Chinese and foreign scholars and industry leaders to gather together, and conduct extensive and in-depth exchange and discussion on the latest research findings and industry development trends in the field of corrosion protection and application. Welcome the domestic and foreign related workers contribute papers enthusiastically, and participate in the conference to exhibit the elegant demeanor.

At the same time, the "First Meeting of the Editorial Board of Surface Technology" will be held, and welcome members of the editorial board to participate in the meeting.

■ **Organizations**

**Hosted by organizers:** European Federation of Corrosion (EFC)  
Chongqing Association for Science and Technology  
Chinese Society for Corrosion and Protection

**Organizers:** Southwest Technology and Engineering Research Institute  
National Engineering Research Center for Magnesium Alloys  
National Engineering Lab of Advanced Coating Technology for Metals  
State Key Laboratory for Marine Corrosion and Protection  
Key Laboratory for Corrosion and Protection, Ministry of Education  
Natural Environmental Test and Research Center of Science  
Southwest Petroleum University  
Chongqing Key Laboratory of Environmental Effect and Protection  
Chongqing Wujiu Periodicals Press

**Co-organizer:** Wise Exhibition (Guangdong) Co.,Ltd.

**Media Support:** Journal of Magnesium and Alloys (SCI), Journal of Materials Science & Technology (SCI), Heat Treatment and Surface Engineering (EI), Surface Technology (EI), Equipment Environmental Engineering

**Adviser (sort alphabetically by the last name):**

Xuedong CHEN, Yufeng CHENG, Wenjiang DING, Baorong HOU, Wei KE, Helin LI, Fusheng PAN, Xinpeng MAO, Shigang SUN, Jun WANG, Jianxin XIE, Binshi XU, Qunji XUE, Fuze ZHANG, Tongyi ZHANG, Zhenye ZHAO, Kesong ZHOU

**Chairmen:**

Arjan MOL, Fusheng PAN

**Executive Chairman:**

Hulin WU

**Vice-Chairmen:**

Xiaogang LI, Lunwu ZHANG

**Academic Committee (sort alphabetically by the last name):**

Maozhong AN, Eric AGEL, Ralph BÄBLER, Changfeng CHEN, Xiaobo CHEN, Yueliang CHEN, Zhuoyuan CHEN, Chenglin CHU, Angus COOK, Jérôme CROUZILLAC, Chuang DONG, Cuiwei DU, Teresa DIAMANTINO, Damien FERÓN, Ralf FESER, Wolfram FÜRBEETH, Zhigang FANG, Yan GAO, Taijiang GUI, Baoshan GU, Hongbo GUO, Xingpeng GUO, Terje GRØNTØFT, Gareth HINDS, Bing HAN, Jiming HU, Songqing HU, Wenbin HU, Yafei KUANG, Hanlin LIAO, Changjiu LI, Hua LI, Jin LI, Jinxu LI, Wei LI, Weihua LI, Wenge LI, Xingeng LI, Guangming LIU, Hongfang LIU, Jing LIU, Min LIU, Changjian LIN, Yuanhua LIN, Feng LU, Zhanpeng LYU, Arjan MOL, Bernard NORMAND, Marco ORMELLESE, Shiladitya PAUL, Xiao PENG, Peter PLAGEMANN, Frank PRENGER, Jim PRESTON, Tomáš PROSEK, Lijie QIAO, Philippe REFAIT, Michael ROHWERDER, Guangling SONG, Mingxian SUN, Yong SUN, Zhihua SUN, Herman TERRYN, Johan TIDBLAD, Dihua WANG, Fuhui WANG, Jianqiu WANG, Jingfeng WANG, Liping WANG, Xinhua WANG, Zhenyao WANG, Hulin WU, Jianhua WU, Ping XIAO, Jianwei YANG, Jin YANG, Rongchang ZENG, Yu ZUO, Daquan ZHANG, Dawei ZHANG,

Dun ZHANG, Jianqiang ZHANG, Jin ZHANG, Lefu ZHANG, Lunwu ZHANG, Qifu ZHANG, Sam ZHANG, Zhonghua ZHANG, Kun ZHOU, Yong ZHOU

### ■ Special Topic Forum

#### **Forum 1: Corrosion Control, Failure Analysis and Protection Technology for Oil and Gas Pipelines**

**Honorary President:** Academician Xuedong Chen

**Convenors:** Ph.D. Jérôme Crouzillac, BAC Corrosion Control, [j.crouzillac@bacfrance.com](mailto:j.crouzillac@bacfrance.com)

Professor Xinhua Wang, Beijing University of Technology, [wxhemma2005@163.com](mailto:wxhemma2005@163.com)

#### **Main topics:**

- 1) Internal and external corrosion and control of pipelines
- 2) Stray current corrosion and protection
- 3) Mechanochemical corrosion and protection (stress corrosion/corrosion fatigue/hydrogen embrittlement)
- 4) Multiphase flow corrosion and protection
- 5) Microbial corrosion
- 6) H<sub>2</sub>S/CO<sub>2</sub> corrosion
- 7) Corrosion control on marine pipeline

#### **Forum 2: Corrosion Prevention Technology of Green Electric Power**

**Honorary President:** Academician Shigang Sun

**Convenors:** Professor Damien Ferón, President of World Corrosion Organisation, [Damien.FERON@cea.fr](mailto:Damien.FERON@cea.fr)

Professor Daquan Zhang, Shanghai University of Electric Power, [zhangdaquan@shiep.edu.cn](mailto:zhangdaquan@shiep.edu.cn)

#### **Main topics:**

- 1) Corrosion and protection for thermal power equipment
- 2) Hydrochemistry and corrosion control in electric power plants
- 3) Corrosion prevention in green energy industry
- 4) Corrosion and protection in nuclear power plants
- 5) Corrosion control technology in power grids

#### **Forum 3: Thermal Spraying Technology for Corrosion Protection**

**Honorary Presidents:** Academician Kesong Zhou

**Convenors:** Professor Wolfram Fürbeth, DECHEMA-Forschungsinstitut, [wolfram.fuerbeth@dechema.de](mailto:wolfram.fuerbeth@dechema.de)

Professor Hua Li, Ningbo Institute of Materials Technology & Engineering, CAS, [lihua@nimte.ac.cn](mailto:lihua@nimte.ac.cn)

Professor Wenge Li, Shanghai Maritime University, [wgli@shmtu.edu.cn](mailto:wgli@shmtu.edu.cn)

Professor Philippe Refait, University of La Rochelle, [philippe.refait@univ-lr.fr](mailto:philippe.refait@univ-lr.fr)

#### **Main topics:**

- 1) Coating materials for corrosion protection
- 2) Coating engineering for corrosion protection
- 3) Novel thermal spraying technology for corrosion protection
- 4) Coating technology for marine protection

5) Coating technology against air pollution

6) Thermal spraying technology toward high temperature oxidation resistance

**Forum 4: Atmospheric Corrosion and Protection**

**Honorary President:** Professor Xiaogang Li

**Convenors:** Professor Johan Tidblad, RISE Kimab, Sweden, [johan.tidblad@ri.se](mailto:johan.tidblad@ri.se)

Researcher Zhenyao Wang, Institute of Metal Research, Chinese Academy of Sciences, [zhywang@imr.ac.cn](mailto:zhywang@imr.ac.cn)

Professor Jingfeng Wang, Chongqing University, [jfwang@cqu.edu.cn](mailto:jfwang@cqu.edu.cn)

Researcher Kun Zhou, Southwest Technology and Engineering Research Institute, [zkdudu@163.com](mailto:zkdudu@163.com)

**Support units:** National Engineering Research Center for Magnesium Alloys

Key Laboratory for Corrosion and Protection, Ministry of Education

Natural Environmental Test and Research Center of Science

**Main topics:**

1) Corrosion behavior and corrosion mechanism

2) Indoor and outdoor test evaluation and correlation

3) Influence and role of environmental factors

4) Surface coating and plating protection technology

5) Corrosion inhibitor and conversion film protection technology

**Forum 5: Corrosion and Protection of Advanced Steel Materials**

**Honorary President:** Academician Xiping Mao

**Convenors:** Professor Baoshan Gu, China Iron and Steel Research Institute Group, [gubs@263.net](mailto:gubs@263.net)

Professor Tomáš Prošek, University of Chemistry and Technology Prague, [tomas.prosek@vscht.cz](mailto:tomas.prosek@vscht.cz)

**Support unit:** National Engineering Laboratory for Advanced Coatings Technology of Metal Materials

**Main topics:**

1) Corrosion resistant steel material design and corrosion resistant mechanism

2) Advanced surface treatment technology for advanced steel materials (green manufacturing, environmental protection and recycling)

3) Anticorrosive paint and coating (such as nano coating, graphene coating, intelligent coating, etc.)

4) Corrosion inhibitor and conversion film

5) New metal coating and coating technology (such as continuous PVD, ZnAlMg coating, etc.)

**Forum 6: Advanced surface protection technology and material for marine corrosion**

**Honorary Presidents:** Professor Yu Zuo

**Convenors:** Professor Bernard Normand, INSA de Lyon, France, [bernard.normand@insa-lyon.fr](mailto:bernard.normand@insa-lyon.fr)

Professor Jingmao Zhao, Beijing University of chemical technology, China, [jingmaozhao@126.com](mailto:jingmaozhao@126.com)

Professor Chunfeng Ma, South China University of Technology, China, [msmcf@scut.edu.cn](mailto:msmcf@scut.edu.cn)

Professor Junlei Tang, Southwest Petroleum University, China, [tangjunlei@126.com](mailto:tangjunlei@126.com)

**Support unit:** State key laboratory of oil and gas reservoir geology and exploitation

Engineering Research Center of Oil Chemistry, Ministry of Education, China

**Main topic:**

- 1) The corrosion and protection in off shore oil and marine resources exploitation
- 2) The corrosion and biofouling in ocean and their prevention
- 3) Advanced functional coatings for surface protection
- 4) Advanced non-metal structural materials and coatings
- 5) Advanced metallic coating
- 6) The degradation behavior and failure mechanism of coatings

**Note:** forum supporting unit is collecting, welcome to sponsor the forum

■ **Call for Papers**

Conference calls for (but not limited to) English papers related to the forum theme. After the expert evaluation by academic committee, the qualified papers will be included in the conference proceedings (conference proceedings are not published in any form). Some outstanding papers will be recommended to the conference support media and after the normal review of each journal, they will be published.

Please name paper as "author + unit + forum number", if oral presentation is required, please note. The awards for outstanding papers of young people under 35 years old will be provided to 10 scholars for outstanding reading out papers and 10 scholars for outstanding display papers. Certificates and bonuses will be awarded after evaluation.

Deadline of abstract: Jun.30, 2019

Deadline of full paper: Aug.31, 2019

Please log in <http://iccpa.medmeeting.org> and contribute papers, for other details, please refer to Attachment 1 "Call for Papers".

■ **Program Schedule**

| Date      | Time  | Arrangement   |
|-----------|---|---|
| 2019.10.9 | 9:00-24:00  | Registration  |
|           | 19:30-21:30   | meeting of the editorial board of Surface Technology  |
|           | 7:00-12:00  | Registration  |
|           | 8:20-9:00   | Opening ceremony  |
|           | 9:00-17:50 Plenary lecture (in no particular order):                                |   |
|           |  | <p><b>Plenary Speaker:</b> Professor Arjan MOL, Delft University of Technology, The Netherlands &amp; President of EFC</p> <p><b>Plenary:</b> In-situ electrochemical, microscopic and spectroscopic studies of local corrosion and buried metal-polymer interfaces</p> |
|           |  | <p><b>Plenary Speaker:</b> Professor Michael ROHWERDER, Max-Planck-Institut für Eisenforschung GmbH, Germany</p> <p><b>Plenary:</b> Intelligent coatings for corrosion protection: on the need for new coating concepts</p>   |

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|   |   |  |
|---|---|--|
| 2019.10.10  |    | <b>Plenary Speaker:</b> Professor Johan TIDBLAD, RISE Kimab, Sweden<br><b>Plenary:</b> Outdoor corrosion testing and comparison with accelerated corrosion test  |
|   |    | <b>Plenary Speaker:</b> Professor Ralf FESER, Fachhochschule Südwestfalen, Iserhorn, Germany<br><b>Plenary:</b> Thermally sprayed zinc and zinc-aluminum layers for corrosion protection in off-shore environment                                    |
|   |    | <b>Plenary Speaker:</b> Professor Damien FERÓN, President of World Corrosion Organisation<br><b>Plenary:</b> Green power and corrosion   |
|   |    | <b>Plenary Speaker:</b> Mr. Jérôme CROUZILLAC, BAC Corrosion Control, France<br><b>Plenary:</b> Contribution to improve the evaluation of the cathodic protection of LPG tank  |
|   |    | <b>Plenary Speaker:</b> Professor Bernard Normand, INSA de Lyon<br><b>Plenary :</b> The corrosion sensitivity of coatings: The keys of the optimization  |
|   |    | <b>Plenary Speaker:</b> Dr. Steve SHI, TWI, Ltd.<br><b>Plenary:</b> Preferential weldment corrosion-metallurgical aspects, evaluation and mitigation methods   |
|   |    | <b>Plenary Speaker:</b> Professor Xiaogang Li, University of Science and Technology Beijing<br><b>Plenary:</b> Advanced Low Alloy Corrosion-Resistant Steels   |
|   |    | <b>Plenary Speaker:</b> Professor Enhou Han, Institute of Metal Research, Chinese Academy of Sciences<br><b>Plenary:</b> Localized corrosion -- from mechanisms understanding to safety ensurence and lifetime prediction for engineering structures |
|   |    | <b>Plenary Speaker:</b> Professor Qifu Zhang, China Iron and Steel Research Institute Group<br><b>Plenary:</b> To be determined  |
|  | <b>Plenary Speaker:</b> Professor Xiaoran Yang, Southwest Technology and Engineering Research Institute<br><b>Plenary:</b> Development and application of Sun track salt (acid) fog exposure technologies |  |
| 8:30-17:30  | <b>Forum 1: Corrosion Control, Failure Analysis and Protection Technology for Oil and Gas Pipelines</b>   |  |
|   |    | <b>Keynote Speaker:</b> Mr. James PRESTON, CORROSION CONTROL, UK<br><b>Keynote:</b> Developments in cathodic protection for offshore renewable energy structures   |



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| 2019.10.11<br>Special<br>lecture(in<br>no particu-<br>lar order):                   |   | <b>Keynote Speaker:</b> Dr. Eric AGEL, TOTAL, Denmark<br><b>Keynote:</b> Pipelines corrosion management methodology   |
|   |   | <b>Keynote Speaker:</b> Dr. Ronghua Wei, Southwest Research Institute® (SwRI®)<br><b>Keynote:</b> Plasma Deposition of Diamond-like Carbon (DLC) Coatings on Inner Surface of Oil Tubulars: from R&D to Production                                    |
|   |   | <b>Invited Speaker:</b> Dr. Anqing Fu, Senior engineer, CNPC Tubular Goods Research Institute<br><b>Invited:</b> Tubing String Corrosion Failure and Challenges of High Temperature High Pressure (HPHT) Gas Well                                     |
|   |   | <b>Invited Speaker:</b> Professor Lei Zhang, University of Science and Technology Beijing<br><b>Invited:</b> Formation and Evolution of H <sub>2</sub> S Corrosion Products and Their Influence on Corrosion Mechanism                                |
|   |    | <b>Invited Speaker:</b> Mr. Yongyang, Senior engineer, China Special Equipment Inspection and Research Institute<br><b>Invited:</b> Corrosion Characterization in CGHAZ and ICCGAZ of X100 Pipeline Steel in Simulated Solution under AC Interference |
|   |   | <b>Invited Speaker:</b> Mr. Zhenhua Chen, Senior engineer, Petrochina Pipeline R&D Center<br><b>Invited:</b> Technical Status of Cathodic Protection on Parallel Pipelines  |
|   |   | <b>Invited Speaker:</b> Professor Xiankang Zhong, Southwest Petroleum University<br><b>Invited:</b> The Corrosion and its Mitigation at a Gradual Pipe Contraction/Expansion in Oil and Gas Field   |
|   | Six orals: to be determined  |   |
|   | <b>8:30-17:30 Forum 2:Anti-corrosion Technology of Green Power</b>   |   |
|   |   | <b>Keynote Speaker:</b> Dr. Gareth HINDS, National Physical Laboratory, UK<br><b>Keynote:</b> Corrosion in fuel cells and electrolyzers   |
|  | <b>Keynote Speaker:</b> Dr. Ralph BÄSSLER, BAM-Federal Institute for Materials Research and Testing, Germany<br><b>Keynote:</b> Material issues in CCUS or corrosion in geothermal applications  |   |
|  | <b>Keynote Speaker:</b> Dr. Peter PLAGEMANN, Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM, Germany<br><b>Keynote:</b> Corrosion protection of offshore wind power plants in Europe                              |   |
|  | <b>Keynote Speaker:</b> Professor Zhiping Zhu, Changsha University of Science & Technology<br><b>Keynote:</b> Corrosion characteristics of water-wall tube material under different SO <sub>4</sub> <sup>2-</sup> concentrations for power plant |   |

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|    | <p><b>Keynote Speaker:</b> Dr. Qunjia Peng, Chief Engineer, Suzhou Nuclear Power Research Institute</p> <p><b>Keynote:</b> Effect of thermal ageing on environmentally assisted cracking of 308L stainless steel in primary water of PWR</p> |
|    | <p><b>Invited Speaker:</b> Professor Qunjie XU, Shanghai University of Electric Power</p> <p><b>Invited :</b> Corrosion Protection of Aluminum Alloys Bipolar Plates of PEMFC by Coating Composite Films</p>                                 |
|    | <p><b>Invited Speaker:</b> Professor Zhanpeng Lyu, Shanghai University</p> <p><b>Invited :</b> Mechanisms and Predictive Model for Stress Corrosion Cracking in Nuclear Power Plant High Temperature Water</p>                               |
|    | <p><b>Invited Speaker:</b> Dr. Jingwei Deng, State Grid Jiangxi electric power research institute</p> <p><b>Invited :</b> Development and application of anticorrosive material and technology for power grid</p>                            |
| Six orals: to be determined   |  |
| <b>8:30-17:30 Forum 3: Thermal Spraying Technology for Corrosion Protection</b>     |  |
|  | <p><b>Keynote Speaker:</b> Dr. Shiladitya PAUL, TWI and University of Leicester, UK</p> <p><b>Keynote:</b> Protection of offshore structures using thermal spray aluminum</p>  |
|  | <p><b>Keynote Speaker:</b> Professor Philippe REFAIT, University of La Rochelle, France</p> <p><b>Keynote:</b> Protection of steel by thermally sprayed sacrificial coatings: cathodic processes</p>   |
|  | <p><b>Keynote Speaker:</b> Professor Changjiu Li, Xi'an Jiaotong University</p> <p><b>Keynote:</b> Novel strategy to deposit corrosion resistant metallic coatings by plasma spraying</p>  |
|  | <p><b>Keynote Speaker:</b> Professor Xueqiang Cao, Wuhan University of Technology</p> <p><b>Keynote:</b> Corrosion mechanism of thermal barrier coatings by CMAS</p>   |
|  | <p><b>Keynote Speaker:</b> Professor Hongbo Guo, Beihang University</p> <p><b>Keynote:</b> PS-PVD thermal/enviornmental barrier coatings for CMC</p>   |
|  | <p><b>Invited Speaker:</b> Professor You Wang, Harbin Institute of Technology</p> <p><b>Invited:</b> Corrosion Performance of Plasma Sprayed Nanostructured Al<sub>2</sub>O<sub>3</sub>-13%TiO<sub>2</sub> Coatings</p>                      |
|  | <p><b>Invited Speaker:</b> Professor Jifu Zhang, Guangdong Institute of New Materials</p> <p><b>Invited:</b> Study on Pitting Resistance of Amorphous/Nanocrystalline Coatings prepared by HVOF</p>  |
|  | <p><b>Invited Speaker:</b> Xiaofeng Zhang, Senior Engineer, Guangdong Institute of New Materials</p> <p><b>Invited:</b> Al-modified PS-PVD 7YSZ TBCs from basic research to practical application</p>  |












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| Six orals: to be determined   |   |
| <b>8:30-17:30 Forum 4: Atmospheric Corrosion and Protection</b>                     |   |
|    | <p><b>Keynote Speaker:</b> Dr. Terje GRØNTOFT, Norwegian Institute for Air Research, Oslo, Norway</p> <p><b>Keynote:</b> Atmospheric corrosion costs in Europe and China</p>  |
|    | <p><b>Keynote Speaker:</b> Dr. Teresa DIAMANTINO, LNEG, Amadora, Portugal</p> <p><b>Keynote:</b> Selective coatings for solar thermal energy: Indoor and outdoor test evaluation and correlation</p>  |
|    | <p><b>Keynote Speaker:</b> Dr. Angus Cook, Wood</p> <p><b>Keynote:</b> Methods for high-throughput, automated atmospheric corrosion testing to support long-term storage of radioactive waste</p>   |
|   | <p><b>Keynote Speaker:</b> Professor RongChang Zeng, Shandong University of Science and Technology</p> <p><b>Keynote:</b> Corrosion mechanisms of magnesium alloys from a microstructural perspective</p>   |
|  | <p><b>Keynote Speaker:</b> Professor Jizhou Duan, Institute of Oceanology, Chinese Academy of Sciences</p> <p><b>Keynote:</b> Research on marine corrosive parameters and the protection system towards severe corrosion environment</p>                                |
|  | <p><b>Invited Speaker:</b> Professor Dawei Zhang, University of Science and Technology Beijing</p> <p><b>Invited:</b> On the evidence for the riboflavin-mediated extracellular electron transfer in MIC of 304 stainless steel by <i>Shewanellaoneidensis</i> MR-1</p> |
|  | <p><b>Invited Speaker:</b> Professor Yingwei Song, Institute of Metal Research, Chinese Academy of Sciences</p> <p><b>Invited:</b> Investigation of a dual self-repairing coating on Mg alloys based on the synergistic effect of inhibitors</p>                        |
|  | <p><b>Invited Speaker:</b> Associate Professor Liang Wu, Chongqing University</p> <p><b>Invited:</b> Enhanced protection by a smart coating based on layered double hydroxide on Magnesium alloy</p>  |
|  | <p><b>Invited Speaker:</b> Dr. Fangchao Zhao, Southwest Technology and Engineering Research Institute</p> <p><b>Invited:</b> Effect of micromorphology on corrosion development in marine atmospheric environment</p>   |
| Six orals: to be determined   |   |
| <b>8:30-17:30 Forum 5: Corrosion and Protection of Advanced Steel Materials</b>     |   |

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|             | <p><b>Keynote Speaker:</b> Dr. Tomas PROSEK, University of Chemistry and Technology Prague, Czech Republic</p> <p><b>Keynote:</b> In situ studies of hydrogen embrittlement of high strength steels in atmospheric conditions</p>  |
|             | <p><b>Keynote Speaker:</b> Professor Herman TERRYN, Vrije Universiteit Brussel, Belgium</p> <p><b>Keynote:</b> Experiments and modelling of corrosion &amp; protection systems</p>   |
|             | <p><b>Keynote Speaker:</b> Professor Wolfram FÜRBETH, DECHEMA-Forschungsinstitut, Germany</p> <p><b>Keynote:</b> Nanoparticulate coatings for oxidation protection of steels during press-hardening</p>  |
|             | <p><b>Invited Speaker:</b> Dr. Hao PENG, Wuhan Branch of Baosteel Central Research Institute (R &amp; D Center of Wuhan Iron &amp; Steel Co., Ltd.)</p> <p><b>Invited:</b> Comparative study of corrosion resistance of different types of automotive high strength steels</p> |
|           | <p><b>Invited Speaker:</b> Associate Professor Mei Yu, School of Materials Science and Engineering Beihang University</p> <p><b>Invited:</b> Container based self-healing and corrosion monitoring in smart protective coating</p>   |
|           | <p><b>Invited Speaker:</b> Dr. Jianwei YANG, Senior Engineer, Deputy Director of Application Technology Department, R&amp;D of Shougang Group Co., Ltd.</p> <p><b>Invited:</b> Influence of Ni on the atmospheric corrosion behavior of low-alloy steel</p>                    |
|           | <p><b>Invited Speaker:</b> Shaohua Xing, Senior engineer, State Key Laboratory for Marine Corrosion and Protection, Luoyang Ship Material Research Institute</p> <p><b>Invited:</b> Corrosion and protection of 10CrNi3Mo Low Alloy Steel in deep-sea</p>                      |
|           | <p><b>Invited Speaker:</b> Professor Zhiyong Liu, University of Science and Technology Beijing</p> <p><b>Invited:</b> Behavior and Mechanism of Stress Corrosion Cracking of High Strength Pipeline Steels in Various External Environments</p>                                |
| Six orals: to be determined  |  |
| 8:30-17:30 Forum 6: Advanced surface protection technology and material for marine corrosion |  |
|           | <p><b>Keynote Speaker:</b> Professor Mikhail Zheludkevich, Helmholtz-Zentrum Geesthacht (HZG) and University of Kiel</p> <p><b>Keynote:</b> Active protective multi-functional coatings with "smart" nanocontainers</p>  |
|           | <p><b>Keynote Speaker:</b> Professor Andreas Erbe, NTNU, Norwegian University of Science and Technology</p> <p><b>Keynote:</b> Cathodic delamination of target-synthesized model polymer systems probed by in situ spectroscopy</p>  |

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### International Conference on Corrosion Protection and Application (ICCPA 2019)

|            |   |   |
|------------|---|---|
|            |  | <b>Keynote Speaker:</b> Professor Guangzhao Zhang, South China University of Technology<br><b>Keynote:</b> to be determined   |
|            |  | <b>Keynote Speaker:</b> Professor ZeHua Dong, Huazhong University of Science and Technology<br><b>Keynote:</b> Online Corrosion monitoring of electrical failure in offshore wind generator platform          |
|            |  | <b>Keynote Speaker:</b> Professor Jingmao Zhao, Beijing University of Chemical Technology<br><b>Keynote:</b> The inhibition of corrosion inhibitor-loaded LDH coating for Mg alloy in artificial seawater     |
|            |  | <b>Invited Speaker:</b> Professor Li Liu, Northeastern University<br><b>Invited:</b> Studies on Corrosion/Failure Behavior of Metals/Protective Coatings in Deep Sea Environment                              |
|            |  | <b>Invited Speaker:</b> Professor Xiutong Wang, Institute of Oceanology, Chinese Academy of Sciences<br><b>Invited:</b> Photocathodic protection of metal using nanocomposite materials in marine environment |
|            | Six orals: to be determined   |   |
| 2019.10.12 | End and evacuation  |   |

### ■ Conference Arrangements

**Place:** Radisson Blu Plaza Chongqing

**Accommodation:** Radisson Blu Plaza Chongqing

Twin bed room: ¥ 500 (room sharing is allowed)      Double room: ¥ 500

**Address:** No.22 Nanbin Road, Nanan District, Chongqing, China

**Registration:**

| Representatives  | Registration in advance<br>(Before Aug.31, 2019) | On-site<br>registration |
|--|--|-------------------------|
| Common representative  | ¥ 2200   | ¥ 2500                  |
| EFC members (membership card is required)                    | ¥ 2000   | ¥ 2300                  |
| Student representative (student's identity card is required) | ¥ 1600   | ¥ 1900                  |

**Pay for conference:** Pay on-site

Please login in <http://iccpa.medmeeting.org> to register, reserve hotel rooms.

**Note:** The hotel room is tight, please book before 2019.8.31.

### ■ Conference Language

Oral presentations and posters will be in English and simultaneous interpretation will be provided on site.

### ■ Conference Sponsor

## 2019 国际腐蚀防护与应用大会

International Conference on Corrosion Protection and Application (**ICCPA 2019**)

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Conference will provide the venue and conditions for the product display and advertising. Relevant enterprises from home and abroad are welcome to participate and provide sponsorship for the conference. Please refer to the Attachment 2 "Investment Proposal" for details.

### ■ Important Dates

1st notice: Jan.31, 2019  
2nd notice: Apr.30, 2019  
3rd notice: Jul.15, 2019  
4th notice: Sep.15, 2019  
Deadline of abstract: Jun.30, 2019  
Deadline of full paper: Aug.31, 2019  
Conference time: Oct.10-12, 2019

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