

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
Oil & Gas Field Applied Chemistry Key Laboratory of Sichuan Province
Chongqing Wujia Periodicals Press

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

Professor Xinhua Wang, Beijing University of Technology, 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) H₂S/CO₂ 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

Professor Daquan Zhang, Shanghai University of Electric Power, 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

Professor Hua Li, Ningbo Institute of Materials Technology & Engineering, CAS, lihua@nimte.ac.cn

Professor Wenge Li, Shanghai Maritime University, wgli@shmtu.edu.cn

Professor Philippe Refait, University of La Rochelle, 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

Researcher Zhenyao Wang, Institute of Metal Research, Chinese Academy of Sciences, zhywang@imr.ac.cn

Professor Jingfeng Wang, Chongqing University, jfwang@cqu.edu.cn

Researcher Kun Zhou, Southwest Technology and Engineering Research Institute, 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

Professor Tomáš Prošek, University of Chemistry and Technology Prague, 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

Professor Jingmao Zhao, Beijing University of chemical technology, China, jingmaozhao@126.com

Professor Chunfeng Ma, South China University of Technology, China, msmcf@scut.edu.cn

Professor Junlei Tang, Southwest Petroleum University, China, 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):	
		Plenary Speaker: Prof. TongYi Zhang, Academician of Chinese Academy of Sciences, Shanghai University Plenary: Symbolic Regression of Peak Current Densities in Cyclic Voltammogram
		Plenary Speaker: Prof. Arjan MOL, Delft University of Technology, The Netherlands & President of EFC Plenary: In-situ electrochemical, microscopic and spectroscopic studies of local corrosion and buried metal-polymer interfaces

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2019.10.10		Plenary Speaker: Prof. Michael ROHWERDER, Max-Planck-Institut für Eisenforschung GmbH, Germany Plenary: Intelligent coatings for corrosion protection: on the need for new coating concepts
		Plenary Speaker: Prof. Johan TIDBLAD, RISE Kimab, Sweden Plenary: Outdoor corrosion testing and comparison with accelerated corrosion test
		Plenary Speaker: Prof. Ralf FESER, Fachhochschule Südwestfalen, Iserhorn, Germany Plenary: Thermally sprayed zinc and zinc-aluminum layers for corrosion protection in off-shore environment
		Plenary Speaker: Prof. Damien FERÓN, President of World Corrosion Organisation Plenary: Green power and corrosion
		Plenary Speaker: Prof. Bernard Normand, INSA de Lyon Plenary : The corrosion sensitivity of coatings: The keys of the optimization
		Plenary Speaker: Dr. Steve SHI, TWI, Ltd. Plenary: Preferential weldment corrosion-metallurgical aspects, evaluation and mitigation methods
		Plenary Speaker: Prof. Xiaogang Li, University of Science and Technology Beijing Plenary: Advanced Low Alloy Corrosion-Resistant Steels
		Plenary Speaker: Prof. Enhou Han, Institute of Metal Research, Chinese Academy of Sciences Plenary: Localized corrosion - from mechanisms understanding to safety ensurence and lifetime prediction for engineering structures
		Plenary Speaker: Prof. Changjian Lin, Xiamen University Plenary: Advanced strategies of corrosion control of stainless steel in marine environments
		Plenary Speaker: Prof. Xiaoran Yang, Southwest Technology and Engineering Research Institute Plenary: Development and application of Sun track salt (acid) fog exposure technologies
8:30-17:30	Forum 1: Corrosion Control, Failure Analysis and Protection Technology for Oil and Gas Pipelines	
	Keynote Speaker: Mr. James PRESTON, CORROSION CONTROL, UK Keynote: Developments in cathodic protection for offshore renewable energy structures	










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2019.10.11 Special lecture(in no particu- lar order):		Keynote Speaker: Dr. Ronghua Wei, Southwest Research Institute® (SwRI®) Keynote: Plasma Deposition of Diamond-like Carbon (DLC) Coatings on Inner Surface of Oil Tubulars: from R&D to Production
		Invited Speaker: Dr. Anqing Fu, Senior engineer, CNPC Tubular Goods Research Institute Invited: Tubing String Corrosion Failure and Challenges of High Temperature High Pressure (HPHT) Gas Well
		Invited Speaker: Prof. Lei Zhang, University of Science and Technology Beijing Invited: Formation and Evolution of H ₂ S Corrosion Products and Their Influence on Corrosion Mechanism
		Invited Speaker: Mr. Yongyang, Senior engineer, China Special Equipment Inspection and Research Institute Invited: Corrosion Characterization in CGHAZ and ICCGAZ of X100 Pipeline Steel in Simulated Solution under AC Interference
		Invited Speaker: Mr. Zhenhua Chen, Senior engineer, Petrochina Pipeline R&D Center Invited: Technical Status of Cathodic Protection on Parallel Pipelines
		Invited Speaker: Prof. Xiankang Zhong, Southwest Petroleum University Invited: The Corrosion and its Mitigation at a Gradual Pipe Contraction/Expansion in Oil and Gas Field
		Oral Speaker: Prof. Yanxia Du, University of Science and Technology Beijing Oral: Research on the Effects of AC Interference on Electrochemical Parameters and Corrosion Behavior of Pipeline Steel in the Environment with High Content of Ca ²⁺ and Mg ²⁺
		Oral Speaker: Ass. Prof. Maocheng Yan, Institute of Metal Research, Chinese Academy of Sciences Oral: Corrosion Behavior of Cathodically Protected Pipeline Steel under Dynamic DC Interference
		Oral Speaker: Prof. Jingmao Zhao, Beijing University of Chemical Technology Oral: Comparative study of the corrosion inhibition performances of several compounds
		Oral Speaker: Researcher Yameng Qi, Centre Research Institute, Baoshan Iron and Steel Co. Oral: Development of a new low-alloy seamless pipeline for oil and gas gathering system containing SRB and CO ₂
	Oral Speaker: Ph.D. Xiao Ying, Southwest Petroleum University Oral: Corrosion behavior of 2205 DSS in the NaCl solution containing sulfide ions	

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	<p>Oral Speaker: Ass. Prof. Sui Xudong, Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences</p> <p>Oral: Effect of deposition pressures on properties of thick DLC coatings inside of a long pipe prepared by PECVD method</p>
	<p>Oral Speaker: Dr. Zhu Peike, Research Institute of Petroleum Exploration and Development, Petrochina</p> <p>Oral: Corrosion investigation of carbon and low alloy steels, supermartensitic stainless steels and duplex stainless steels for oil-gas-water multiphase flow containing H₂S, CO₂ and chloride</p>
	<p>Oral Speaker: Dr. Lin Gu, Drilling & Production Research Department, CNOOC Research Institute Co., Ltd.</p> <p>Oral: Research progress on anti-corrosion of offshore oil well pipes in China</p>
8:30-17:30 Forum 2:Anti-corrosion Technology of Green Power	
	<p>Keynote Speaker: Dr. Gareth HINDS, National Physical Laboratory, UK</p> <p>Keynote: Corrosion in fuel cells and electrolyzers</p>
	<p>Keynote Speaker: Dr. Ralph BÄSSLER, BAM-Federal Institute for Materials Research and Testing, Germany</p> <p>Keynote: Material issues in CCUS or corrosion in geothermal applications</p>
	<p>Keynote Speaker: Dr. Peter PLAGEMANN, Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM, Germany</p> <p>Keynote: Corrosion protection of offshore wind power plants in Europe</p>
	<p>Keynote Speaker: Prof. Zhiping Zhu, Changsha University of Science & Technology</p> <p>Keynote: Corrosion characteristics of water-wall tube material under different SO₄²⁻ concentrations for power plant</p>
	<p>Keynote Speaker: Dr. Qunjia Peng, Chief Engineer, Suzhou Nuclear Power Research Institute</p> <p>Keynote: Effect of thermal ageing on environmentally assisted cracking of 308L stainless steel in primary water of PWR</p>
	<p>Invited Speaker: Prof. Qunjie XU, Shanghai University of Electric Power</p> <p>Invited : Corrosion Protection of Aluminum Alloys Bipolar Plates of PEMFC by Coating Composite Films</p>
	<p>Invited Speaker: Prof. Zhanpeng LU, Shanghai University</p> <p>Invited : Mechanisms and Predictive Model for Stress Corrosion Cracking in Nuclear Power Plant High Temperature Water</p>
	<p>Invited Speaker: Dr. Jingwei Deng, State Grid Jiangxi electric power research institute</p> <p>Invited : Development and application of anticorrosive material and technology for power grid</p>

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	<p>Oral Speaker: Ph.D. Jincan Cui, University of Shanghai for Science and Technology</p> <p>Oral: The Application of Zwitterionic Graphene Oxide in Waterborne Anticorrosive Coatings</p>
	<p>Oral Speaker: Feng Likui, Senior Engineer, State Grid Zhejiang Electric Power Research Institute</p> <p>Oral: Application Research of Dried-air Combined Protection Technology for Lay-up Corrosion of Combined Cycle Unit</p>
	<p>Oral Speaker: Dr. Yuantao Zhao, Shanghai maritime university</p> <p>Oral: Corrosion Behavior and Mechanism Analysis of Parts of Coal Storage Bunker in a Thermal Power Plant along the Coast</p>
	<p>Oral Speaker: Ph.D. Guoqin Cao, Zhengzhou University</p> <p>Oral: The oxidation mechanism of Zr-based alloys and the protective coatings with lifetime extension</p>
	<p>Oral Speaker: Ph.D. Ziheng ZHANG, INSA de LYON</p> <p>Oral: The passive behaviour of binary Ni-Cr alloys by successive electrochemical impedance spectroscopy measurements</p>
	<p>Oral Speaker: Ass. Prof. Baomin Fan, Beijing Technology and Business University</p> <p>Oral: Corrosion inhibition of aniline derivatives/molybdate electropolymerization coatings on copper: A combined experimental and theoretical study</p>
	<p>Oral Speaker: Ass. Prof. Lin Gu, Sun Yat-sen University</p> <p>Oral: Molecular design and anticorrosive properties of waterborne coatings</p>
8:30-17:30 Forum 3: Thermal Spraying Technology for Corrosion Protection	
	<p>Keynote Speaker: Dr. Shiladitya PAUL, TWI and University of Leicester, UK</p> <p>Keynote: Protection of offshore structures using thermal spray aluminum</p>
	<p>Keynote Speaker: Prof. Philippe REFAIT, University of La Rochelle, France</p> <p>Keynote: Protection of steel by thermally sprayed sacrificial coatings: cathodic processes</p>
	<p>Keynote Speaker: Prof. Changjiu Li, Xi'an Jiaotong University</p> <p>Keynote: Novel strategy to deposit corrosion resistant metallic coatings by plasma spraying</p>
	<p>Keynote Speaker: Prof. Xueqiang Cao, Wuhan University of Technology</p> <p>Keynote: Corrosion mechanism of thermal barrier coatings by CMAS</p>










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	<p>Invited Speaker: Prof. You Wang, Harbin Institute of Technology</p> <p>Invited: Corrosion Performance of Plasma Sprayed Nanostructured Al₂O₃-13%TiO₂ Coatings</p>
	<p>Invited Speaker: Prof. Jifu Zhang, Guangdong Institute of New Materials</p> <p>Invited: Study on Pitting Resistance of Amorphous/Nanocrystalline Coatings prepared by HVOF</p>
	<p>Invited Speaker: Ph.D. Xiaofeng Zhang, Senior Engineer, Guangdong Institute of New Materials</p> <p>Invited: Al-modified PS-PVD 7YSZ TBCs from basic research to practical application</p>
	<p>Oral Speaker: Professor Zhang Shihong, Anhui University of Technology</p> <p>Oral: High-temperature stabilization and corrosion mechanism under alternating stress in molten aluminium alloy of Mo-B based coatings</p>
	<p>Oral Speaker: Professor Li Yang, Xiangtan University</p> <p>Oral: A chemo-thermo-mechanically constitutive theory for thermal barrier coatings under CMAS infiltration and corrosion</p>
	<p>Oral Speaker: Prof. Hongsong Zhang, Henan University of Engineering</p> <p>Oral: Preparation, Thermophysical Performances of Ca₃Ln₃Ti₇Ta₂O_{26.5} (Ln=Yb and Y) Oxides for Thermal barrier Coating Applications</p>
	<p>Oral Speaker: Ass. Prof. Qin-Ying Wang, Southwest Petroleum University</p> <p>Oral: Erosion-corrosion behavior of laser-clad multi-track Ni-based alloy coating</p>
	<p>Oral Speaker: Dr. Wenting He, Beihang University</p> <p>Oral: Protective coatings of anti-CMAS corrosion by PS-PVD</p>
	<p>Oral Speaker: Ass. Prof. Shawei Tang, Harbin Institute of Technology</p> <p>Oral: Corrosion Performance of Plasma Sprayed Nanostructured Al₂O₃-13%TiO₂ Coatings</p>
	<p>Oral Speaker: Ph.D. Xu Wang, Beijing University of Technology</p> <p>Oral: The study of hot corrosion behavior of coatings with different oxide content deposited by arc spraying using N₂ and air</p>
	<p>Oral Speaker: Dr. Zipeng Zhao, Southwest Technology and Engineering Research Institute</p> <p>Oral: Microstructure and Friction and Wear Properties of NiCr-Cr₃C₂ Coating by APS and HVOF</p>
8:30-17:30 Forum 4: Atmospheric Corrosion and Protection	
	<p>Keynote Speaker: Dr. Terje GRØNTØFT, Norwegian Institute for Air Research, Oslo, Norway</p>

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		Keynote: Atmospheric corrosion costs in Europe and China
	Keynote Speaker: Dr. Teresa DIAMANTINO, LNEG, Amadora, Portugal	Keynote: Selective coatings for solar thermal energy: Indoor and outdoor test evaluation and correlation
	Keynote Speaker: Dr. Angus Cook, Wood	Keynote: Methods for high-throughput, automated atmospheric corrosion testing to support long-term storage of radioactive waste
	Keynote Speaker: Prof. RongChang Zeng, Shandong University of Science and Technology	Keynote: Corrosion mechanisms of magnesium alloys from a microstructural perspective
	Keynote Speaker: Prof. Jizhou Duan, Institute of Oceanology, Chinese Academy of Sciences	Keynote: Research on marine corrosive parameters and the protection system towards severe corrosion environment
	Invited Speaker: Prof. Dawei Zhang, University of Science and Technology Beijing	Invited: Data-driven approach to understand environmental corrosion
	Invited Speaker: Prof. Yingwei Song, Institute of Metal Research, Chinese Academy of Sciences	Invited: Investigation of a dual self-repairing coating on Mg alloys based on the synergistic effect of inhibitors
	Invited Speaker: Ass. Prof. Liang Wu, Chongqing University	Invited: Enhanced protection by a smart coating based on layered double hydroxide on Magnesium alloy
	Invited Speaker: Dr. Fangchao Zhao, Southwest Technology and Engineering Research Institute	Invited: Effect of micromorphology on corrosion development in marine atmospheric environment
	Oral Speaker: Mr. Christophe Baete, Elsycanv	Oral: The application of corrosion simulation in the field of atmospheric environmental corrosion
	Oral Speaker: Dr. Sviatlana Lamaka, Helmholtz-Zentrum Geesthacht	Oral: Comprehensive experimental and computational screening of magnesium corrosion inhibitors and their incorporation within the protective coatings

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	<p>Oral Speaker: Ass. Prof. Xinxin Zhang, Huazhong University of Science and Technology</p> <p>Oral: The Correlation between Stored Energy on Localized Corrosion Development of Aluminium Alloys: Mechanism, Application and Prediction</p>
	<p>Oral Speaker: Dr. Maria Serdechnova, Helmholtz-Zentrum Geesthacht Centre for Materials and Coastal Research</p> <p>Oral: In-situ growth of layered double hydroxides on PEO coated magnesium</p>
	<p>Oral Speaker: Dr. Yan Hou, Dalian University of Technology</p> <p>Oral: Pitting corrosion of strained 2205 duplex stainless steel under wet-dry cycling conditions</p>
	<p>Oral Speaker: Ph.D. Cai Yikun, Beihang University</p> <p>Oral: A Time-varying Approach for Corrosion Prediction in Dynamic Industrial Atmosphere</p>
	<p>Oral Speaker: Prof. Ma Yanlong, Chongqing University of Technology</p> <p>Oral: Corrosion resistance of layered double hydroxides film formed on AA2099-T8 Al-Cu-Li alloy and its anodic film</p>
8:30-17:30 Forum 5: Corrosion and Protection of Advanced Steel Materials	
	<p>Keynote Speaker: Dr. Tomas PROSEK, University of Chemistry and Technology Prague, Czech Republic</p> <p>Keynote: In situ studies of hydrogen embrittlement of high strength steels in atmospheric conditions</p>
	<p>Keynote Speaker: Prof. Herman TERRY, Vrije Universiteit Brussel, Belgium</p> <p>Keynote: Experiments and modelling of corrosion & protection systems</p>
	<p>Keynote Speaker: Prof. Wolfram FÜRBETH, DECHEMA-Forschungsinstitut, Germany</p> <p>Keynote: Nanoparticulate coatings for oxidation protection of steels during press-hardening</p>
	<p>Invited Speaker: Dr. Hao PENG, Wuhan Branch of Baosteel Central Research Institute (R & D Center of Wuhan Iron & Steel Co., Ltd.)</p> <p>Invited: Comparative study of corrosion resistance of different types of automotive high strength steels</p>
	<p>Invited Speaker: Ass. Prof. Mei Yu, School of Materials Science and Engineering Beihang University</p> <p>Invited: Container based self-healing and corrosion monitoring in smart protective coating</p>
	<p>Invited Speaker: Dr. Jianwei YANG, Senior Engineer, Deputy Director of Application Technology Department, R&D of Shougang Group Co., Ltd.</p>

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		Invited: Influence of Ni on the atmospheric corrosion behavior of low-alloy steel
	Invited Speaker: Prof. Zhiyong Liu, University of Science and Technology Beijing	Invited: Behavior and Mechanism of Stress Corrosion Cracking of High Strength Pipeline Steels in Various External Environments
	Oral Speaker: Dr. Ziyue Zhang, China Iron and Steel Research Institute Group	Oral: Research and application status of zinc-aluminum-magnesium alloy coatings
	Oral Speaker: Dr. Xiaopan Qiu, China Iron and Steel Research Institute Group	Oral: Research Progress on Zn-Mg Coatings produced by PVD
	Oral Speaker: Shao-hua Xing, Senior Engineer, State Key Laboratory for Marine Corrosion and Protection, Luoyang Ship Material Research Institute	Oral: Influence of Coupled Resistance on Galvanic Corrosion of 10CrNi3Mo Low Alloy Steel / 2205 Stainless Steel Couples in Deep-Sea
	Oral Speaker: Researcher Hao Yulin, Technical research institute of shougang group co., LTD.	Oral: Effect of Element Enrichment State on Phosphating Properties of Steel
	Oral Speaker: Ass. Prof. Ma Shengqiang, Xi'an Jiaotong University	Oral: Corrosion behavior and mechanism of directionally solidified Fe-B alloy in flowing liquid zinc
	Oral Speaker: Ph.D. Yiqi Zhou, University of Manchester	Oral: Exploring the Application of Bipolar Electrochemistry – Providing Novel Insight for Corrosion Science and Engineering
	Oral Speaker: Prof. AMBRISH SINGH, Southwest petroleum university	Oral: Development and testing of some synthesized inhibitors for corrosion of J55 steel in sweet
	Oral Speaker: Ph.D. Wen Sun, Dalian University of Technology	Oral: High-efficiency Preparation of Reduced Graphene Oxide by a Two-step Reduction Method and Its Enhancement of Thermally-Conductive and Anti-corrosive Performance for Epoxy Coatings
8:30-17:30	Forum 6: Advanced surface protection technology and material for marine corrosion	
	Keynote Speaker: Prof. Mikhail Zheludkevich, Helmholtz-Zentrum Geesthacht (HZG) and University of Kiel	Keynote: Active protective multi-functional coatings with "smart" nanocontainers
	Keynote Speaker: Prof. Andreas Erbe, NTNU, Norwegian University of Science and Technology	Keynote: Cathodic delamination of target-synthesized model polymer systems probed by in situ spectroscopy




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	<p>Keynote Speaker: Prof. ZeHua Dong, Huazhong University of Science and Technology</p> <p>Keynote: Online Corrosion monitoring of electrical failure in offshore wind generator platform</p>
	<p>Keynote Speaker: Prof. Jingmao Zhao, Beijing University of Chemical Technology</p> <p>Keynote: The inhibition of corrosion inhibitor-loaded LDH coating for Mg alloy in artificial seawater</p>
	<p>Invited Speaker: Ass. Prof. Sheng YUAN, INSA of Lyon</p> <p>Invited: Opportunities of sol-gel and electrospinning for corrosion application</p>
	<p>Invited Speaker: Dr. Guosheng Huang, Senior Engineering , Luoyang Ship Material Research Institute(LSMRI) State Key Laboratory for Marine Corrosion and Protection</p> <p>Invited: Cold Spraying Technology and Its Application for Anticorrosion in Marine Environments</p>
	<p>Invited Speaker: Prof. Li Liu, Northeastern University</p> <p>Invited: Studies on Corrosion/Failure Behavior of Metals/Protective Coatings in Deep Sea Environment</p>
	<p>Invited Speaker: Prof. Xiutong Wang, Institute of Oceanology, Chinese Academy of Sciences</p> <p>Invited: Photocathodic protection of metal using nanocomposite materials in marine environment</p>
	<p>Oral Speaker: Prof. Chunfeng Ma, South China University of Technology</p> <p>Oral: Degradable Self-polishing Antifouling Coatings (DSPC), A New Generation Technology</p>
	<p>Oral Speaker: Prof. Junlei Tang, Southwest Petroleum University</p> <p>Oral: A smart anti-corrosion ethyl cellulose based coating with the CO₂-responsive property</p>
	<p>Oral Speaker: Mr. Muhammad Junaid Anjum, Beijing University of Chemical Technology</p> <p>Oral: Reduced graphene oxide modified Ni-Co nanocomposite coating for the protection of low carbon steel</p>
	<p>Oral Speaker: Prof. Yanwen Zhou, University of Science and Technology Liaoning</p> <p>Oral: Study on Hydrophobicity and Corrosion Resistance of Coating Prepared on AH32 Steel by Plasma Spraying</p>
	<p>Oral Speaker: Ass. Prof. Xue LIU, Institute of Materials, China Academy of Engineering Physics</p> <p>Oral: The preparation of metallic glasses/crystalline composite coatings by laser cladding with enhanced corrosion resistance</p>

2019 国际腐蚀防护与应用大会

International Conference on Corrosion Protection and Application (ICCPA 2019)

	Oral Speaker: Ph.D. Yu SHI, INSA de Lyon France
	Oral: 2D materials charger in hydrophobic hybrid coating for corrosion protection of carbon steel
	Oral Speaker: Ass. Prof. Yuming Tang, Beijing University of Chemical Technology
	Oral: Comparative study on the failure process of two zinc-rich epoxy coatings by EIS
	Oral Speaker: Ms. Xia Li, Chongqing University
	Oral: One-step spraying method to fabricate robust superhydrophobic surface of magnesium alloys
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 (Before Aug.31, 2019)	On-site 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

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

■ Contact Us

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