

# 中国金属学会

金字〔2024〕115号

---

## 关于召开“第九届亚洲钢铁大会”暨“2024年氢冶金国际研讨会”的通知

各有关单位：

由中国金属学会（CSM）、印度金属学会（IIM）、日本钢铁协会（ISIJ）和韩国金属学会（KIM）共同主办，湖南钢铁集团有限公司、河钢集团、巴西矿冶公司（CBMM|Niobium）和中冶京诚工程技术有限公司协办的“第九届亚洲钢铁大会”（Asia Steel 2024）暨“2024年氢冶金国际研讨会”（ISHM2024）将于2024年9月4-7日在湖南省长沙市召开。

“亚洲钢铁大会”是由 CSM、IIM、ISIJ 和 KIM 在 2000 年联合发起，每三年举办一次的系列国际会议，曾于 2000、2003、2006、2009、2012、2015、2018 和 2021 年成功地在中国北京、印度 Jamshedpur、日本 Fukuoka、韩国 Busan、日本 Yokohama、印度 Bhubaneswar 和韩国 Gyeongju 举办。“氢冶金国际研讨会”是由中国金属学会和河钢集团共同主办，曾于 2023 年在河北崇礼召开。

恰逢第九届亚洲钢铁大会在中国召开，氢冶金是当前国际钢铁界共同关注的热点课题，目前已收到来自世界 21 个国家及地区的 550 余篇



Joo Hyun Park	Hanyang University, 韩国
Seshadri Seetharaman	Tata Steel, 印度
	KTH Royal Institute of Technology, 瑞典
Hiroyuki SHIBATA	Tohoku University, 日本
Hiroshi UTSUNOMIYA	Osaka University, 日本
王国栋	中国工程院院士 东北大学, 中国
王新华	河钢集团邯钢公司, 中国

### 技术委员会

#### 主任

毛新平 中国工程院院士 北京科技大学

田志凌 中国金属学会

#### 成员（以姓氏为序）

白晨光 蔡大为 储满生 范晓慧 高旭 甘敏 郭利杰 郭爱民  
高怡斐 何安瑞 贾云海 李光辉 李克江 李化龙 刘承军 刘中柱  
刘征建 潘建 沈学静 孙彦广 田京雷 汪水泽 王万林 汪净  
王雷 谢振家 徐伟 闫柏军 杨才福 杨健 袁国 张建良  
张殿华 张立峰 朱德庆 朱苗勇

### 组织委员会

#### 主任

王新江 中国金属学会

#### 成员

李毅仁 赵栋梁 张卫东 王强 刘吉文 梁亮 何航 陈雪慧 刘芳

大会秘书长

尚成嘉 北京科技大学

副秘书长（以姓氏为序）

肖大恒 湖南钢铁集团有限公司

钟金红 河钢集团

赵 欣 中国金属学会

## 二、大会特邀报告

1. Li Wang, China BaoWu Steel Group Corporation, China

*Presentation Title: Developments and outlook of ultra high strength steel sheets for automobile in China*

2. Uttam Singh, TATA Steel, India

*Presentation Title: De-carbonizing the steel industry: India's perspective*

3. Hiroshi Nogami, Tohoku University, Japan

*Presentation Title: Toward Carbon-Neutral Steelmaking, Japanese Challenges*

4. Seongyeon Kim, POSCO, Korea

*Presentation Title: Hydrogen and the Decarbonization Solutions of Steel Processes and Products at POSCO*

5. Johannes Schenk, Montanuniversitaet Leoben, Austria

*Presentation Title: Ongoing Efforts and Challenges in Achieving Carbon-neutral Steel Production*

6. Rafael Mesquita, CBMM, Brazil

*Presentation Title: Modern Steel: Niobium Driving the Future in High-Performance Materials*

## 三、技术分会设置

1. Fundamentals of Steels (基础理论研究)
2. Ironmaking and Related Technologies (炼铁及相关技术)
3. Hydrogen Metallurgy Technologies (氢冶金技术)
4. Steelmaking and Continuous Casting (炼钢及连铸)
5. Rolling and Heat Treatment (轧钢及热处理)
6. Near Net-Shape Production (近终形制造)
7. Steel Products and Application (钢铁产品及应用)
8. Digitization and Intelligence of Process (过程数字化及智能化)
9. Resources and Environment (资源与环保)
10. Analysis and Characterization (分析与表征)

注：部分技术分会重点报告见附件 1

#### 四、报到日期、地点和会议地点

报到时间：2024 年 9 月 3 日 14:00-20:00

报到地点：长沙国际会议中心一层

会议地点：长沙国际会议中心三层

地址：湖南省长沙市长沙县国展路 108 号

联系电话：0731-86805555

#### 五、会议日程

时间	活动安排		
	上午	下午	晚上
9 月 3 日 (周二)	——	注册	注册 欢迎酒会
9 月 4 日 (周三)	开幕式 大会特邀报告 墙报及展览	技术分会报告 墙报及展览	招待会

9月5日 (周四)	技术分会报告 墙报及展览	技术分会报告 墙报及展览	---
9月6日 (周五)	技术分会报告 墙报及展览	技术分会报告 墙报及展览	---
9月7日 (周六)	技术参观：湖南钢铁集团公司（如计划参加的代表，请在在线注册时进行选择，参观费用： <b>350元/人</b> ，包含往返交通及午餐，参观名额有限，先到先得）		
地点：长沙国际会议中心			

## 六、会议语言及文集

本次会议工作语言为英语。

由技术委员会评审通过的所有扩展摘要（Extended Abstract）将收录在由冶金工业出版社编辑出版的会议文集中。

## 七、会议注册、缴费和报名截止时间

（一）会议注册：

请国内参会代表登录会议网站 [www.asiasteel2024.com](http://www.asiasteel2024.com)，选择简体中文页面后进行在线注册。完成在线注册后，请按照以下注册费标准及缴费日期缴纳注册费，注册截止日期**9月1日**。

（二）注册费标准：

代 表 身 份	7月25日前	7月25日后
论文作者及会员单位代表	2800元/人	3300元/人
非会员单位代表	3500元/人	4000元/人
学生代表	1500元/人	1800元/人

注：①每份会议注册费限发表一篇文章；②凡7月25日前未交注册费的论文作者，不予发表论文及安排交流；③学生凭本人学生证注册。

会议注册费包含：会议交流、会议文集、会议期间午餐、晚餐欢迎酒会、招待会及茶歇等

（三）缴费方式及发票信息填写：

### 1、在线支付（仅限于9月1日前）：

完成在线注册的代表可登录个人中心，选定注册类型后，选择“在线支付”方式，再选择您的发卡银行，按照网页提示进行注册费的网上支付操作。

### 2、银行汇款（仅限于9月1日前）：

您也可通过银行汇款缴纳会议注册费。完成在线注册的代表进行汇款时请务必在备注处填写“亚钢会+注册号+注册人姓名”。汇款用银行信息如下：

账户名称：中国金属学会

开户银行：中国工商银行股份有限公司北京国家文化与金融合作示范区金街支行

账 号：0200000709089116848

完成汇款后，烦请登录个人中心，选定注册类型后，选择“银行汇款”支付方式，上传汇款凭证，以便确认缴费情况。

### 3、现场缴费（仅支持银行卡）：

参会代表也可在会议期间（即2024年9月3-6日）现场注册并缴纳会议注册费。为提高现场报到的效率及方便参会代表，鼓励代表提前报名、提前交费。

### 4、发票信息填写：

缴费成功后，需要开具发票的代表，请登录会议网站，进入“个人中心”，在“个人代表注册”栏目下选择发票类型并填写发票信息。

#### （四）现场报到及资料领取：

会议报到时，请您向工作人员提供注册确认信或注册编号，以领取名卡和餐票及会议资料。

提前缴费的代表，将根据代表注册信息开具电子发票，电子发票将在确认收款后一周内开具并直接发送到注册邮箱，现场缴费的代表，电子发票将在会后开具。

## 八、会议住宿地点推荐和费用

第九届亚洲钢铁大会将于9月4-7日在长沙国际会议中心召开，

为做好大家的住宿、出行等后勤保障工作，会议秘书处经过多次现场实地考察，综合酒店环境等多方面因素对比后，现推荐3家入住的酒店（距离会场步行约5分钟，详见附件2），详情如下：

酒店名称	大床	双床
长沙环球融创施柏阁酒店 (5星级酒店)	500元/天 (含早餐)	500元/天 (含早餐)
长沙会展诺富特酒店 (4星级酒店)	450元/天 (含早餐)	450元/天 (含早餐)
长沙会展宜必思尚品酒店 (经济型酒店)	350元/天 (含早餐)	350元/天 (含早餐)

如需要预定以上会议推荐酒店，请登录会议网站 [www.asiasteel2024.com](http://www.asiasteel2024.com)，选择简体中文页面后点击“住宿安排”栏目，通过微信小程序直接预订，房间数量有限，先到先得，建议尽早做好行程安排，提前预订住宿酒店。

## 九、会议秘书处

中国金属学会国际联络部

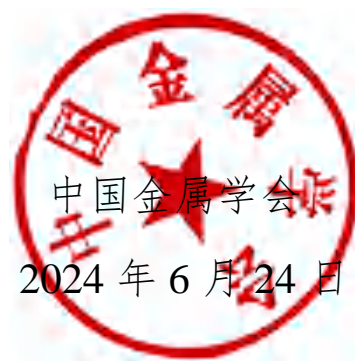
赵欣 刘芳 010-65211205 13439682609 13810162102

E-mail: [asiasteel2024@csm.org.cn](mailto:asiasteel2024@csm.org.cn)

会议网站: [www.asiasteel2024.com](http://www.asiasteel2024.com)

附件 1: 部分技术分会重点报告

附件 2: 会议地址及乘车路线





## 附件 1:

### 部分技术分会重点报告 (截止日期 2024 年 6 月 26 日, 按照姓氏排序)

1. Paulo Santos Assis, UFOP: Federal University of Ouro Preto, Brazil

*Presentation title: to be determined*

2. Junfang Bao, China BaoWu Steel Group Corporation Limited, China

*Presentation title: Current status and prospects of Baowu coking technology*

3. Frank Barbaro, University of Wollongong, Australia

*Presentation title: to be determined*

4. Geoff Brooks, Swinburne University of Technology, Australia

*Presentation title: to be determined*

5. Moo-Eob Choi, POSCO, Korea

*Presentation title: to be determined*

6. Hao Chen, Tsinghua University, China

*Presentation title: Flash annealing of advanced high strength steels*

7. Mansheng Chu, Northeastern University, China

*Presentation title: Research progress of hydrogen-based shaft furnace technology*

8. Jung-Wook Cho, POSTECH, Korea

*Presentation title: Solidification of Fe-Cu alloy to enhance both the mechanical strength and electric conductivity by controlling heterogeneity structure*

9. Alberto Conejo, University of Science and Technology Beijing, China

*Presentation title: H<sub>2</sub> Reduction and Carbidization of Fe<sub>2</sub>O<sub>3</sub> with Pure CH<sub>4</sub>*

10. Nikhil Dhawan, IIT Roorkee, India

*Presentation title: Hydrogen reduction of low grade iron ores*

11. Hongbiao Dong, University of Leicester, UK

*Presentation title: Data-Analytic Framework for Implementing Industry 4.0 in Steelmaking*

12. Tadashi Furuhashi, Tohoku University, Japan

*Presentation title: Fundamental principles for alloy design of surface hardened steels by nitriding*

13. Min Gan, Central South University, China

*Presentation title: Key Technologies for Producing High Purity And High Value Iron-Based Materials by The Hydrogen Reduction Method*

14. Si Gao, Kyoto University, Japan

*Presentation title: Strain localization behavior in a 304 type stainless steel having fine microstructures*

15. Wen-Tong Geng, Zhejiang Normal University, China

*Presentation title: Mystery resolved: The composition of bcc Cu alloy precipitates in bcc Fe*

16. B. P. Gautham, TCS Research, Tata Consultancy Services, India

*Presentation title: Accelerating product development to intelligent operations in the steel industry with emerging digital technologies*

17. Hiroto Goto, JFE Steel Corporation, Japan

*Presentation title: Influence of thickness profile after sizing press on width profile at head and tail portions of slab*

18. Peimin Guo, Central Iron & Steel Research Institute, China

*Presentation title: Difficulties and Countermeasures of Pure Hydrogen Reduction Technology*

19. Lei Guo, University of Science and Technology Beijing, China

*Presentation title: Hydrogen-based reduction characteristics of iron ore fines and related industrialization progress*

20. Muxing Guo, Katholieke Universiteit Leuven, Belgium

*Presentation title: Interactions Between Alumina Inclusions at the Liquid Iron/Argon Gas Interface: Role of Contact Line Undulation*

21. Defu Guo, Hunan LY Steel, China

*Presentation title: Research and practice on high efficiency production technology of wide strip hot rolling for many varieties quality steel in Hunan LY Steel*

22. Govind S. Gupta, Indian Institute of Science, India

*Presentation title: Modelling of hydrogen reduction of iron oxides in a shaft furnace*

23. Danilo Guzela, USIMINAS, Brazil

*Presentation title: Best Practices to Minimize Center Line Segregation of Sour Service Steel Plates*

24. Zhanli Guo, Sente Software Ltd., UK

*Presentation title: AGE HARDENING OF MARAGING STEELS – PHYSICALLY-BASED MODELLING VS MACHINE LEARNING*

25. Miyuki Hayashi, Tokyo Institute of Technology, Japan

*Presentation title: Relationship between structures and thermophysical and thermochemical properties on silicate melts containing fluoride*

26. Xing Han, HBIS Materials Technology Research Institute, China

*Presentation title: Comprehensive utilization technology of vanadium titanium magnetite based on hydrogen metallurgy*

27. Liangyuan Hao, HBIS Group, China

*Presentation title: Research on utilization technology of hydrogen metallurgy raw materials*

28. Yoonuk Heo, Pohang University of Science and Technology, Korea

*Presentation title: Grain boundary precipitation and brittle fracture behaviors in austenitic Fe-Mn-Al-C lightweight steels*

29. Heung Nam Han, Seoul National University, Korea

*Presentation title: Hole Expansion Failure of Steel Sheets*

30. Chang-Ching Ho, KATEC R &D COPORATION, Taiwan, China

*Presentation title: The net-zero carbon emissions approach and practice of steel industry*

31. Tom Honeyands, Newcastle University, Australia

*Presentation title: Laboratory Electric Smelting of Australian Hematite Goethite Hydrogen DRI*

32. Jun Hong, Nanjing Iron and Steel, China

*Presentation title: Research progress in the production of large thickness steel by continuous casting slab*

33. Jose Maria Ibabe, CEIT, Spain

*Presentation title: Microalloying with Nb: metallurgical process for sustainable industrial solutions*

34. Kazuhiko IWAI, Hokkaido University, Japan

*Presentation title: Application of electromagnetic fields to high temperature process*

35. Kazuhira Ichikawa, JFE Steel Corporation, Japan

*Presentation title: CO<sub>2</sub> Reduction Technology in the Blast Furnace Process for Achieving Carbon Neutrality*

36. Shuhei Irie, JFE Steel Corporation, Japan

*Presentation title: Estimation of Changes in Content and Characteristics of Mold Flux during Continuous Casting*

37. Sohn IL, Yonsei University, Korea

*Presentation title: Is artificial intelligence really intelligent in steel processing?*

38. Xiaofang Jiang, China BaoWu Steel Group Corporation Limited, China

*Presentation title: to be determined*

39. Zhengyi Jiang, University of Wollongong, Australia

*Presentation title: to be determined*

40. Zengbao Jiao, The Hong Kong Polytechnic University (PolyU), Hong Kong, China

*Presentation title: Synergistic alloying effects and nanoscale co-precipitation in ultrahigh-strength maraging steels*

41. Feng Jin, SINOSTEEL MECC, China

*Presentation title: Technology & Engineering of Hydrogen-Based Shaft Furnace Direct Reduction*

42. Namhyun Kang, Pusan National University, Korea

*Presentation title: Ti/N ratio and Nb in shipbuilding steels and their coarse-grained heat affected zone*

43. Youn-Bae Kang, Pohang University of Science and Technology, Korea

*Presentation title: Evolution of Oxide Inclusions in Ti-added Al-killed Ultra-Low C Steel*

44. Yonghee Kim, Hyundai Steel, Korea

*Presentation title: Decarbonizing ironmaking process and technologies at Hyundai Steel*

45. Dohun Kim, POSCO, Korea

*Presentation title: to be determined*

46. Peter Langenberg, IWT-Solutions AG, Germany

*Presentation title: Opportunities provided by application of modern fine grain steel for steel structure in offshore wind facing the >15MW class of turbines*

47. Joonho LEE, Korea University, Korea

*Presentation title: Inclusion Control in front of Solid-Liquid Interface*

48. Guangqiang Li, Wuhan University of Science and Technology, China

*Presentation title: Hydrogen reduction of Oolitic high-phosphorus iron ore and phosphorus removal by melting separation*

49. Kejiang Li, University of Science and Technology Beijing (USTB), China

*Presentation title: Thermodynamic Strategy for Hydrogen-Based Direct Reduction Shaft Furnace to Achieve a Higher Efficiency*

50. Menglong Li, HBIS Group, China

*Presentation title: Standard system and technical path design of low carbon emission steel in HBIS*

51. Xiaobing Li, HBIS Group, China

*Presentation title: Production Practice of Key Technologies for Zero Reforming of Coke Oven Gas at Zhangxuan Technology*

52. Jian Li, China Baowu Group. China

*Presentation title: Technical route and Progress of Hydrogen Metallurgy in China BAOWU*

53. Chengjun Liu, Northeastern University, China

*Presentation title: to be determined*

54. Zhengjian Liu, University of Science and Technology Beijing, China

*Presentation title: Progress of blast furnace ironmaking technology in China*

55. Liming Lu, CSIRO, Australia

*Presentation title: to be determined*

56. Xionggang Lu, Shanghai University, China

*Presentation title: Basic Theoretical Research on Hydrogen Metallurgy*

57. Haiwen LUO, University of Science and Technology Beijing, China

*Presentation title: Revisit of bake hardening mechanism: Influence of baking on tensile properties of press hardening steels*

58. Hiroyuki Matsuura, Tokyo University, Japan

*Presentation title: In-site observation of non-metallic inclusions during the solidification of molten steel*

59. Dipak Mazumdar, Indian Institute Of Technology Kanpur, India

*Presentation title: Process Modelling In Steelmaking: Past, Present And Future*

60. Jiayi Ma, Shougang Group, China

*Presentation title: New 6 Stands Tandem Mill for high Silicon Steel Rolling -- Idea and Practice*

61. Suvorov Mikhail, NLMK, Russia

*Presentation title: Minimum possible coke rate for normal BF operation*

62. Goro Miyamoto, Tohoku University, Japan

*Presentation title: Quantitative characterization and prediction of solute segregation at  $\alpha$ -Fe grain boundary*

63. Matthias Militzer, University of British Columbia, Canada

*Presentation title: Microstructure Design of Green Steel*

64. Kota MORIYA, JFE Steel Corporation, Japan

*Presentation title: Utilization of Carbon Recycling for Carbon Neutralization of Direct Reduction Process*

65. Masoud Moshtaghi, LUT University, Finland

*Presentation title: Design of Hydrogen Embrittlement Resistant High Strength Steels*

66. S S Mohanty, Essar Minmet Limited, India

*Presentation title: to be determined*

67. Samik Nag, Tata Steel Limited, India

*Presentation title: Tata Steel's efforts towards Net Zero*

68. Ricardo Nolasco, CBMM, Brazil

*Presentation title: Challenges on Microstructure Control during Seamless Pipe Production*

69. Ko-ichiro OHNO, Kyushu University, Japan

*Presentation title: Effect of hydrogen-reduced microstructure on softening behavior of iron ore agglomerates under high temperature loading conditions*

70. Dauter Oliveira, Vale, Brazil

*Presentation title: Performance of Vale's briquette under rich H<sub>2</sub> in Blast Furnace and Direct Reduction*

71. Jian Pan, Central South University, China

*Presentation title: to be determined*

72. Joohyun Park, Hanyang University, Korea

*Presentation title: Reoxidation of molten steel in secondary refining and continuous casting processes: Influence on steel cleanliness*

73. Chunsu Park, DONGKUK STEEL R&D Center, Korea

*Presentation title: Development of digitalization and intelligence of long products rolling*

74. Jitendra Patel, International Metallurgy Ltd., UK

*Presentation title: Supporting the transition to a low-carbon economy with the development and application of low-emission high strength structural steels*

75. Sudipta Patra, IIT BHU, India

*Present Affiliation: Assistant Professor, Metallurgical Engineering, IIT(BHU), Varanasi, India*

76. Jian Pan, Central South University, China

*Presentation title: to be determined*

77. Martin Pei, SSAB AB, Sweden

*Presentation title: Transformation to Fossil Free Steel with the HYBRIT Technology*

78. Manish M Pande, IIT Bombay, Mumbai, India

*Presentation title: Deoxidizer-oxygen equilibria in steel in the high concentration range*

79. Yana Qie, North China University of Science and Technology, China

*Presentation title: Formation of Primary Slag and Carburizing behavior of Metal Iron in Cohesive zone of Hydrogen-rich Blast Furnace*

80. Radhakanta Rana, Tata Steel, The Netherlands

*Presentation title: Novel Bainitic Steels for Hot Rolled Applications*

81. Gour Gopal Roy, IIT Kharagpur, India

*Presentation title: Inclusion evolution of LCAK steel using mischmetal*

82. Indradev Samajdar, Indian Institute of Technology Bombay, India

*Presentation title: Controlled Thermomechanical Processing of Steel and Elastic-Plastic Strain Gradients*

83. Yansong Shen, University of New South Wales, Australia

*Presentation title: Modelling of multiphase reacting flows and net zero steel industry innovations*

84. Fengman Shen, Northeastern University, China

*Presentation title: H-C-O system mass balance and chemical equilibrium diagram and fundamental thermodynamic theory study of carbon deposition in the system*

85. Douglas Stalheim, DGS Metallurgical Solutions, Inc., USA

*Presentation title: Key Contributing Metallurgical Componets to Successful, Cost Effective Production of Steel Products and their Applications*

86. Marcos Stuart, CBMM, Brazil

*Presentation title: Examples of niobium microalloyed steels toward the future of carbon neutrality*

87. John Speer, Colorado School of Mines, USA

*Presentation title: Nb in Microalloyed Automotive Bar and Forging Steels*

88. Sang-Han Son, POSCO, Korea

*Presentation title: Characteristics of bio-carbon and its utilization in ironmaking process*

89. Toshihiro Tsuchiyama, Kyushu University, Japan

*Presentation title: Strengthening of ferritic steels by alloying element through grain boundary segregation*

90. Pelo Uranga, CEIT, Spain

*Presentation title: Impact of diverse Direct Strip Processing Mill Layouts on the Hot Rolling Metallurgy of Nb Microalloyed Steels*

91. Basov Vadim, NLMK, Russia

*Presentation title: Influence of MgO in slag and slag basicity  $\text{CaO/SiO}_2$  and  $(\text{CaO}+\text{MgO})/\text{SiO}_2$  on*

*NLMK BF6 and BF7 operation*

92. Geoff Wang, The University of Queensland, Australia

*Presentation title: Insight into the heat and mass transfer of iron ore reduction in hydrogen shaft furnace*

93. Wanlin Wang, Central South University, China

*Presentation title: Strategy for the optimization of continuous casting mold technology*

94. Jie Wang, Masteel, China

*Presentation title: Product development and application of Masteel heavy hot-rolled H-sections*

95. Menghuai Wu, Montanuniversitaet Leoben, Austria

*Presentation title: Advanced Modeling of Macrosegregation in Continuous Casting with the Effect of Electromagnetic Stirring (EMS)*

96. Zhangwei Wang, Central South University,, China

*Presentation title: Strong and ductile lightweight compositionally complex steels via dual-nanoprecipitation*

97. Zhenjia Xie, University of Science and Technology Beijing, China

*Presentation title: Breaking cryogenic temperature strength-ductility trade-off via deformation omega phase transition and nano-twinning in low carbon low alloy bainitic steel*

98. Jian Xu, Chongqing University, China

*Presentation title: Synergistic Enhancement and Morphological Transformation Induced by Hydrogen in the Gaseous Interfacial Reduction of Iron Oxide*

99. Takuya YAMAMOTO, Osaka Metropolitan University, Japan

*Presentation title: Numerical investigation and automatic design of metallurgical process with an aid of simulation and optimization methodology*

100. Jer-Ren Yang, National Taiwan University, Taiwan, China

*Presentation title: Overview of the striking features of microstructure in steels*

101. Yongxiang Yang, Technische Universiteit Delft, TU Delft, The Netherlands

*Presentation title: Hydrogen Metallurgy in European Steelmaking Industry: Challenges and Opportunities*

102. Zhinan Yang, Yanshan University, China

*Presentation title: Accelerating nano-bainite transformation based on microstructure control*

103. Jian Yang, Shanghai University, China

*Presentation title: Oxide Metallurgy Technology for Improving Weldability of HSLA Steel Plates*



104. Congcong Yang, Central South University, China

Presentation title: Hydrogen-based direct reduction behavior of iron ore pellets with iron grades ranging from 59%-68%

105. Deguchi Yoshihiro, The University of Tokushima, Japan

*Presentation title: to be determined*

106. Aibing Yu, Monash University, Australia

*Presentation title: Development of Hydrogen Blast Furnace for Ironmaking*

107. Guo Yuan, Northeastern University, China

*Presentation title: to be determined*

108. Jianliang Zhang, University of Science and Technology Beijing, China

*Presentation title: Progress and Prospect of Low-carbon Ironmaking Technology and Hydrogen Metallurgy Process*

109. Fuming Zhang, Shougang Group Co., Ltd., China

*Presentation title: Research on Some Problems of Modern Blast Furnace Hydrogen Metallurgical Technology*

110. Lifeng Zhang, North China University of Technology, China

*Presentation title: Prediction on the Three Dimensional Spatial Distribution of the Number Density, Size and Composition of Non-metallic Inclusions in Steel Continuous Casting Products*

111. Yongjie Zhang, Tohoku University, Japan

*Presentation title: Interphase Precipitation of Nano-sized Alloy Carbides in Low Carbon Microalloyed Steels*

112. Wei Zhang, Wuhan University of Science and Technology, China

Presentation title: Mathematical model and industrial validation of blast furnace ironmaking with hydrogen injecting process

113. Yu Zhang, Shasteel Group, China

Presentation title: A novel strategy to fabricate thick ultra large-heat input butt weld joint by synergetic use of wire, arc and steel plate

114. Yuyou ZHAI, Primetals Technologies, Austria

Presentation title: THROUGH-PROCESS OPTIMIZATION

115. Zhilong Zhao, MCC Capital Engineering & Research Incorporation Limited (CERI), China

*Presentation title: CERI's Innovation and Engineering Practice in Green & Low Carbon Hydrogen Metallurgy Technology*

116. Frank (Shaoliang) Zhong, World Steel Association

*Presentation title: Global Steel Decarbonization Progress and Development of Hydrogen-based Steelmaking Technologies*

117. Miaoyong Zhu, Northeastern University, China

*Presentation title: Prediction and Control of Surface Fluctuation in Slab Continuous Casting Mold Based on AI and Metallurgical Big Data*

118. Deqing Zhu, Central South University, China

*Presentation title: Impact of Basicity on Hydrogen-Rich Gas-Based Direct Reduction of Fired Pellets*

119. Jianwei Zhu, Ansteel, China

*Presentation title: Research and Pilot Plant building of Hydrogen-based Iron Ore Direct Reduction with Fluidized Bed in Ansteel, China*

120. Qingshan Zhu, Institute of Process Engineering, Chinese Academy of Sciences, China

*Presentation title: Fluidized Bed Hydrogen Direct Reduction: History and Perspective*

121. Wenhao Zhou, Xiangtan Iron and Steel, China

*Presentation title: New Progress in Key Technology Development and Engineering Application of Low Temperature Steel Plate in XISC*

122. Zulfiadi Zulhan, Institut Teknologi Bandung, Indonesia

*Presentation title: Reconsidering Hydrogen Plasma Reactor as a Sustainable Solution for Green Steel Production*

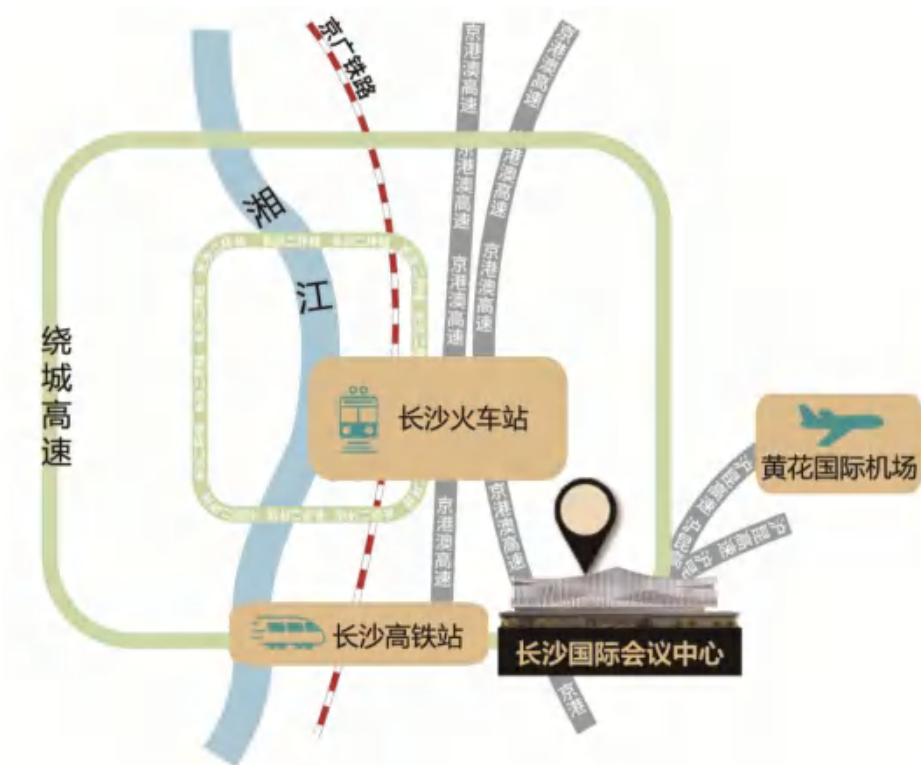
附件 2:

会议地址及乘车路线

会议地点：长沙国际会议中心

地址：湖南省长沙市长沙县国展路 108 号

联系电话：0731-86805555



**高铁：**

可以选择地铁 2 号线/4 号线直达:长沙高铁南站—地铁光达站(长沙国际会展中心)，仅一站地距离，从 4 号口出站穿过国展路斑马线步行 500 米到达。

**机场：**

乘车 25 分钟到达，乘坐机场磁悬浮快线至磁悬浮高铁站，再乘坐地铁 2、4 号线至光达站，从 4 号口出站穿过国展路斑马线步行 500 米到达。