

东 北 大 学

2024 冶金创新发展国际学术会议邀请函

Invitation to 2024 International Academic Conference on
Innovative Development of Metallurgy

冶金工业是重要的原材料制造支柱产业，当前，绿色化、智能化、高端化已成为国际冶金发展的必然趋势，冶金资源循环已成为可持续发展的必然要求。为推进绿色低碳冶金、智能冶金、高端金属冶金制造、资源循环等创新发展，加快发展冶金新质生产力，由中国金属学会、中国有色金属学会、辽宁省科学技术协会、沈阳市科学技术协会专家组联合指导，东北大学主办的“2024 冶金创新发展国际学术会议”将于 2024 年 10 月 17 日-19 日在辽宁沈阳召开，本次国际学术会议以“绿色、智能、高端、循环”为主题，聚焦绿色低碳冶金、冶金数字化与智能化、高端金属材料冶金制造、冶金资源循环、新能源及其冶金应用，共同就冶金领域的突出进展、前沿热点、瓶颈难点及关键共性技术等进行深入交流研讨，诚挚邀请并热烈欢迎国内外冶金科技工作者莅临沈阳参会交流。

Metallurgy is an important field for raw material manufacturing. Currently, green, intelligent, and high-end product development has become an inevitable trend for global metallurgy development. Metallurgical resource recycling has become a necessary requirement for sustainable development. In order to

promote innovative development, such as green and low-carbon metallurgy, intelligent metallurgy, high-end metal metallurgical manufacturing, and resource recycling, and to accelerate the development of new high-quality metallurgical productivity, International Academic Conference on Innovative Development of Metallurgy will be held in Shenyang from October 17 to 19, 2024. This conference is hosted by Northeastern University. It is jointly guided by the expert group of The Chinese Society for Metals, The Nonferrous Metals Society of China, Liaoning Association for Science and Technology, and Shenyang Association for Science and Technology. The international academic conference will focus on "green, intelligent, high-end, and recycling", especially on green and low-carbon metallurgy, metallurgical digitization and intelligence, high-end metal metallurgical manufacturing, metallurgical resource recycling, new energy and its metallurgical applications. The outstanding progress, cutting-edge research, bottleneck difficulties, and key common technologies in metallurgical field will be discussed. We warmly and sincerely welcome metallurgy experts to participate in the conference.



2024 年 6 月 5 日

June 5, 2024

会议介绍/Conference Introduction

一、组织机构/Organization Institution

指导单位: 中国金属学会、中国有色金属学会

辽宁省科学技术协会、沈阳市科学技术协会

Initiator: The Chinese Society for Metals, The Nonferrous Metals Society of China, Liaoning Association for Science and Technology, Shenyang Association for Science and Technology

主办单位: 东北大学

Host Organizer: Northeastern University

承办单位:

东北大学冶金学院

多金属共生矿生态化冶金教育部重点实验室

材料电磁过程研究教育部重点实验室

特殊钢先进冶金工艺与装备教育部工程研究中心

有色金属冶金过程技术教育部工程研究中心

低碳钢铁前沿技术教育部工程研究中心

高端金属材料冶金与加工技术学科创新引智基地

Executive Organizer:

School of Metallurgy, Northeastern University

Key Laboratory for Ecological Metallurgy of MultiMetallic Mineral (Ministry of Education)

Key Laboratory of Electromagnetic Processing of Materials (Ministry of Education)

Engineering Research Center of Advanced Metallurgy Process

and Equipment of Special Steels (Ministry of Education)

Engineering Research Center of Nonferrous Metal Metallurgical
Process Technology (Ministry of Education)

Engineering Research Center of Low-Carbon Iron&Steel Making
Frontier Technology (Ministry of Education)

Innovation Platform of High-end Metal Materials Metallurgy and
Processing Technology

协办单位/Co-Organizer: (按首字母排序)

安徽工业大学、北京科技大学、北京矿冶研究总院、北方工业大学、重庆大学、重庆科技大学、长沙矿冶研究院有限责任公司、东北大学秦皇岛分校、大连理工大学、桂林理工大学、贵州大学、华北理工大学、河北工业大学、河北科技大学、河南科技大学、华南理工大学、河南省科学院、江苏大学、江苏科技大学、江西理工大学、昆明贵金属研究所、昆明理工大学、矿冶科技集团有限公司、辽宁大学、辽宁工业大学、辽宁科技大学、辽宁科技学院、兰州理工大学、南方科技大学、内蒙古科技大学、攀枝花学院、四川大学、山东理工大学、上海交通大学、上海大学、山西大学、沈阳工业大学、沈阳化工大学、苏州大学、天津大学、太原科技大学、太原理工大学、武汉大学、武汉科技大学、武汉理工大学、西安建筑科技大学、燕山大学、郑州大学、中南大学、中国地质大学、中国钢研科技集团有限公司、中钢集团洛阳耐火材料研究院有限公司、中国科学院过程工程研究所、中国科学院金属研究所、中国科学院稀土研究院、中国矿业大学、中国循环经济协会、中国有研科技

集团有限公司、中北大学.....

二、会议时间及地点/Conference Date and Location

会议时间/Conference Date: 2024 年 10 月 17-19 日/October 17-19, 2024

2024 年 10 月 17 日/October 17: 报到/Register

2024 年 10 月 18 日/October 18: 大会报告/Plenary report

2024 年 10 月 19 日/October 19: 分会场报告/Session report

会议地点/Conference Location: 东北大学国际学术交流中心
(辽宁省沈阳市)

Shenyang Northeastern University International Academic
Exchange Center

三、会议语言及形式/ Language and Presentation Type:

语言/Language: 汉语+英语/Chinese and English

形式/Type: 大会报告/Plenary report、特邀报告/Keynote report、
口头报告/Oral report

四、会议主题/Conference Theme

1. 绿色低碳冶金/Green and low-carbon metallurgy

2. 智能冶金/Intelligent metallurgy

3. 高端金属冶金制造/High-end metal metallurgical
manufacturing

4. 冶金资源循环及高值化/Metallurgical resource recycling and
high-value utilization

5. 新能源及其冶金应用/New energy and its metallurgical
applications

五、征文范围（包含但不限于以下内容）/Contents

1. 绿色冶金基础理论/Basic theory of green metallurgy
2. 清洁冶金新技术与新工艺/New technologies and processes in clean metallurgy
3. 氢冶金基础理论与技术/Basic theory and technology of hydrogen metallurgy
4. 战略性矿产资源绿色冶金技术/Green metallurgy of strategic mineral resources
5. 数字化智能化冶金技术/Digital and intelligent metallurgical technology
6. 高效冶炼、连铸等关键技术/Key technologies of efficient smelting and casting
7. 高端金属先进制备技术/Advanced preparation technology for high-end metals
8. 特种冶金技术/Special metallurgical technology
9. 冶金资源循环理论与技术/Theory & technology of resource recycling
10. 大宗固废生态化、资源化技术/Ecological and resource utilization of solid waste
11. 城市矿资源化利用技术/Urban mineral resource utilization technology
12. 含重金属废水处理技术和工艺/Technology of treating wastewater containing heavy metals
13. 非化石能源制备和冶金应用/Non fossil energy preparation

and metallurgical applications

14. 冶金过程节能减排技术/Energy saving and emission

reduction technologies in metallurgical processes

15. 冶金过程碳循环、碳捕集技术等/Carbon cycling and carbon

capture technology in metallurgical processes

16. 其它与会议主题相关内容/Other content related to

conference theme

六、分会场设置/Sessions

1. 绿色低碳冶金及高端金属制造基础理论/Basic theory of

green & low-carbon metallurgy and high-end metal

manufacturing

2. 绿色智能钢铁冶金及高效高端制造/Green and intelligent

ferrous metallurgy and high-end product production

3. 绿色智能有色冶金及高效高端制造/Green and intelligent

non-ferrous metals metallurgy and high-end product production

4. 新能源及其冶金应用/New energy and its application in

metallurgy

5. 国际冶金发展战略研讨会/International metallurgy

development strategic seminar

七、投稿须知/Instructions to Authors

1. 本次会议接收中文全文和英文全文两种论文，论文须符合会议征文范围要求，论文格式要求详见附件。

Full text papers in Chinese and English are acceptable in the conference. The papers should meet the requirements of the scope

of the conference. Please refer to the attachment for the format of the papers.

2. 论文投稿邮箱/Email for paper submission:

yjxy@mail.neu.edu.cn

3. 投稿截止日期/Deadline for submission: 2024 年 8 月 31 日
/August 31, 2024

4. 录用通知: 2024 年 9 月 15 日前结束论文评审工作, 发出录用通知。

Paper acceptance notice: The paper review will be completed before September 15, 2024, and then the acceptance notice will be issued.

5. 论文发表: 凡内容符合主题范围、未在国内外正式期刊或其他会议上发表的全文, 均可投递全文。经组织委员会评审, 最终录用论文将发表到大会论文集。

Paper publishing: The full text can be submitted if the content conforms to the scope of the conference topics and has not been published in official journals or other conferences. After evaluation by the organizing committee, the final accepted papers will be published in the conference proceedings.

八、会议注册/Conference Registration

1. 会议收取会务费: 普通代表收取注册费 2500 元/人 (不含住宿费), 在校学生凭学生证收取 1000 元/人 (不含住宿费, 需持学生证证明), 该注册费包括会务、论文审稿、论文集出版、餐费等。

Conference expenses: The registration fee for ordinary representatives will be ¥2,500 /person (excluding accommodation fee), while students will be charged ¥1,000 /person with their student ID card (excluding accommodation fee, student ID proof is required). The registration fee includes conference affairs, proceedings publication, meals, etc.

2. 食宿安排: 会议统一安排用餐, 住宿费用自理。

The conference organizing committee will help to book hotel rooms and the expenses will be payed by yourself.

3. 缴费方式: 会议具体缴费方式将在第二轮通知中发布。

Payment method: The specific payment method of the conference will be published in the second round of notice.

4. 发票开具: 默认开具增值税电子普通发票; 如需增值税电子专用发票, 请备注。

Invoicing: issuing VAT electronic ordinary invoice by default. If VAT electronic special invoice is required, please leave a comment.

5. 联系人/Contact us:

会议联系人: 倪培远 15640417628

论文报告等事宜: 邹清川 13624256475

报名住宿等事宜: 李明明 13644998903

论文、回执等事宜会务邮箱: yjxy@mail.neu.edu.cn

九、会议赞助/Conference Sponsorship

欢迎相关企业、科研院所等利用此次会议平台宣传推广企

业技术、装备、服务和产品,会议将设置展览区和墙报展示区,欢迎有合作意向的单位同会务组联系。

Welcome relevant enterprises and institutes to introduce enterprise technology, equipment, services and products. The conference will set up an exhibition area and poster display area. Please contact us to negotiate cooperation.

- 附件: 1.参会回执
2.论文中文模版
3.论文英文模版