



中国钢铁技术与应用交流会

CHINA STEEL TECHNOLOGY & APPLICATION DAYS

冶金展同期活动 I

ancillary program I

时间：2021年5月26-28日 地点：国家会展中心（上海）4.1H馆2层会议室



中国国际贸易促进委员会冶金行业分会

地址：北京市东四西大街46号

邮编：100711

电话：010-85111723

电子邮件：xiaoli.jia@mcchina.org.cn

冶金展&钢铁工业技术交流

Metallurgy China & China Steel Technology and Application Days (CSTAD)

公司保持核心竞争力的要素之一是持续不断地创新。保持产品创新能力的先决条件是不断学习、了解最新、最尖端的技术，不仅要进行研发上的创新，还需要与客户、合作伙伴和供应商进行持续地沟通、交流，建立和扩大自己的销售网络。为此，主办方——中国钢铁工业协会、中国国际贸易促进委员会冶金行业分会，将在中国国际冶金工业展览会同期举办中国钢铁工业技术交流会。

作为专业展会权威机构，中国贸促会冶金行业分会为所有参与者提供了实现商业目标的对接平台。在这次活动中，您将了解有关钢铁生产、钢铁材料和钢铁应用中的新技术、新产品等最具前瞻性的信息。

Only those who continue to develop their businesses remain competitive. The prerequisite for this development means being constantly informed about the latest and most sophisticated technological advances, exchanging ideas and initiating and expanding networks with clients, partners and suppliers.

As an authoritative exhibition organization, CISA and MC-CCPIT offer visitors the perfect opportunity to reach their objectives. At this event you will acquire the latest information about state-of-the-art technologies and developments in iron and steel production as well as about steel materials and their applications.

关于技术交流会

ABOUT CSTAD

中国钢铁工业技术交流会从2021年起，将作为中国国际冶金工业展览会的配套活动，每年同期同地举办，面向世界各地的钢铁生产商、钢铁用户、设备供应商、系统解决方案供应商、各类研究机构及高校开放。本届中国钢铁工业技术交流会将在5月26至28日举行。在三天时间里，与会者将有机会参加关于世界钢铁最新技术发展的研讨会，了解行业发展最新趋势。

冶金展同期技术交流会将为钢铁、冶金及其上下游行业提供现金技术服务与解决方案。主办方将邀请国内外领域知名企业、各个钢铁厂技术研发负责人、系统解决方案供应商、科研院所、协/学会莅临现场参观并发表论文、参与研讨。

本届技术交流会包含五场专题，涵盖以下领域：

1.炼铁 2.炼钢 3.轧钢 4.钢铁材料及其应用 5.环保、减排

From the 26-28 of May 2021, China Iron & Steel Association and MC-CCPIT will host the CSTAD 2021 as the accompanying event to the metallurgical trade fair, Metallurgy China. CSTAD stand for “China Steel Technology and Application Days”, an event located in China with worldwide participation.

CISA and MC-CCPIT will open its doors to speakers and participants of China Steel Technology and Application Days (CSTAD) 2021. Metallurgy China and CSTAD welcome representatives from leading company all over the world, and the technical papers form steel company, system solutions supplier, college& institute.

Within 3 days, approximately dozens of technical presentations in 5 technical sessions will cover following fields:

• Ironmaking • Steelmaking • Rolling • Steel materials and their application • Environmental and mitigation

主题介绍

Theme Overview

交流会1：炼铁

Seminar 1: Ironmaking

1.1 炼焦 (Coke Making)

- 焦炉生产及相关利用技术
Latest developments in coke oven plant technology

1.2 烧结和球团 (Sintering and Pelletizing)

- 烧结矿质量保障
Sinter quality assurance
- 烧结冷却和废气循环利用
Sinter cooling and waste gas utilizing
- 球团质量和成型
Pellet qualities and Briquetting

1.3 高炉炼铁 (Blast Furnace Ironmaking)

- 环保燃料、还原剂应用
Climate-neutral fuels and reducing agents
- 高炉炼铁基础
Fundamentals in ironmaking
- 高炉工艺优化及自动化
Blast furnace process optimization and automation
- 高炉耐火材料及冷却
Blast furnace refractories and cooling

1.4 直接还原与熔融还原 (Direct Reduction and Smelting Reduction)

交流会2：炼钢

Seminar 2: Steelmaking

2.1 转炉炼钢 (Blast Furnace- Converter Steelmaking)

- 转炉炼钢技术新进展
Current status and new development in converter technology
- 铁水预处理
Hot metal pretreatment
- 自动化及在线流程分析
Automation and online process analyses
- 设备, 装料转换器
Equipment, loading converter

2.2 电炉炼钢 (Electric Steelmaking)

- 电炉炼钢的现状与新进展: 电弧炉技术发展
Current status and new development: Development of electric arc furnaces
- 废钢为原料——优质钢及合金钢生产工艺
Scrap as raw material: production process of high-quality steel and alloy steel making.
- 流程工艺——节能、电炉工艺
Production process – energy savings, process automation

2.3 连铸 (Continuous Casting)

- 连铸工艺技术与装备新进展
Continuous casting process, equipment development
- 连铸数字辅助系统
Digital assistance system in continuous casting

交流会3：轧钢 Seminar 3: Rolling

3.1 热轧 (Hot Rolling)

- 中厚板轧制
Plate rolling
- 棒材轧制
Rod and bar rolling
- 管材、型材和钢轨的轧制
Rolling of tubes, sections and rails

3.2 冷轧 (Cold rolling)

- 新技术、设备
New technology, processing line, equipment

3.3 轧钢 (Rolling)

- 产品质量控制技术 & 检测
product quality control and inspection
- 新钢种工艺开发
New steel development
- 工厂升级和新设备研发
Plant upgrades and new equipment developments

3.4 轧辊 (Rolls for Rolling)

- 新技术发展
New technology development
- 磨损和润滑、磨削、新材料等
Wear and lubrication, grinding, new materials

交流会4：钢铁材料及其应用 Seminar 4: Steel materials and their application

4.1 钢铁材料及其应用 (Steel Materials and Their Application)

- 先进高强钢、高端特殊钢开发及应用
High strength steel, advanced special steels development and applications
- 高强度汽车钢及工程用钢
High strength steels for automotive and engineering industry
- 高强度钢的氢脆解决方案
Solutions for hydrogen embrittlement of high strength steels
- 耐蚀钢应用
Corrosion-resisting steel application

4.2 表面处理技术 (Surface Technologies)

- 新工艺、新技术
New process, new technologies

交流会5：环保、减排（聚焦技术、案例）

Seminar 5: Environmental and Mitigation

5.1 环保、节能 (Environmental and Energy Aspects)

- 钢渣的改良、处理及利用
Improvement, treatment and usage of iron and steelmaking slags
- 节能与能效优化
Efficiency increases and energy saving
- 钢铁生产中的替代燃料和还原剂
Alternative fuels and reductants in iron and steelmaking
- 能源管理系统 能源余热回收
Energy management system, energy and waste heat recovery

5.2 减排 (CO² Mitigation)

- 副产品管理及钢铁生产中原材料的二次利用及废料利用
By-product management and use of secondary raw materials and wastes in iron and steelmaking
- 碳减排技术
Emission avoidance from iron and steelmaking
- 废气高效管理与开发
Efficient and safe management and exploitation of off-gas in the steel sector
- 钢铁生产过程中二氧化碳的捕获
CO² capture in iron and steelmaking processes

演讲征集形式与内容

一、技术专题报告形式

冶金展同期技术交流会将在全球范围内征集上述五个相关领域的相关课题。由组委会专家遴选优秀课题以中文发言汇报交流：

演讲报告：20-25分钟/项

二、演讲征集投稿申请及要求

1. 点击链接提交申请：https://www.metallurgychina.net/event_applicationform

语言：中文 PPT格式：4:3

2. 截稿日期：2021年4月30日

* 非参展商申请参加技术交流发表报告：¥5000/项

论文征集形式与内容

一、关于论文征集

冶金展同期技术交流会将在全球范围内征集上述五个相关领域的相关待发表论文。组委会视情况而定，将收集的论文统一排版形成论文集或在场馆内以壁报形式展出：

二、论文投稿申请及要求

1. 点击链接提交申请：https://www.metallurgychina.net/event_applicationform

2. 论文截稿日期：2021年4月15日

3. 论文投稿要求：

3.1 论点明确、论据充足、重点突出、数据可靠，能体现本次技术交流的先进性、科学性、实用性、创新性

3.2 论文字数在5000字内，附中文题目及500字以内中文摘要及关键词

3.3 论文题目下须写明作者姓名、单位以及作者联系方式（如多名作者请写明第一作者所有信息），以便大会组委会通讯联络

3.4 论文格式为word文件，A4页面大小，正文字体统一用5号宋体

3.5 请自留论文底稿，录用与否均不予退稿