

1st Circular

12th China-Korea Joint Symposium on Advanced Steel Technology

**November 9th, 2021
Changsha, China**



Organized by



KIM⁺ THE KOREAN INSTITUTE OF
METALS AND MATERIALS



中南大學
CENTRAL SOUTH UNIVERSITY

OBJECTIVE

The symposium aims to bring together the scientists and engineers from Korea and China, to have an insight into the newest developments in the science and technologies of Iron and Steel making. This symposium welcomes all delegates to freely exchange innovative and creative ideas, and discuss the latest challenging for iron and steel industry.

THEME

The theme of the symposium covers a broad spectrum in relation to:

- Fundamentals of pyro/hydro-metallurgy
- Iron and steel making
- Sustainable Metallurgy and environmental remediation
- Smart and low-carbon process

METHODS TO JOIN

To ensure the safety of all delegates and adapt to the new style after Covid-19, unlike the previous symposiums, the delegates from China and Korea will get together in Changsha and Seoul separately, and will be linked through Cloud. “**ZOOM**” will be used during the symposium, and the virtual conference room will be opened soon.

VENUE and ACCOMMODATION

For Chinese delegates: **Press Resort & Hotel Changsha**, Hunan, China
Address: No.8 Purui Avenue, Wangcheng District, Changsha 410007



For Korean delegates: **KIM conference room**, Seoul, Korea (ROK)
Address: Seochodaelo56- gil 38, Seocho-gu, Seoul 06633

TEMPORARY SCHEDULE AND KEY DATES

Opening Address: 1. Yong Gan (Chinese Society of Metals); 2. Kyung-Ho Shin (KIM, President); 3. Duk-Lak Lee (POSCO, CTO) Host: Wanlin Wang (Central South University)			
Afternoon Session 1 (Chair: Yongsug Chung, Korea Polytechnic University)			
14:00-14:20			
14:20-14:40	Intellectualized Reconstruction of Sintering in Bayuquan Branch	Jianwei Zhu	Ansteel
14:40-15:00	POSCO's R&D Plan for Low-carbon BF	Geum-Sik Heo	POSCO
15:00-15:20	Influence of Inherent Properties of Pulverized Coal on their Combustion Characteristics and Char Reactivity	Yubin Lee	Hyundai Steel
15:20-15:40	Dephosphorization in Double Slag Converter Steelmaking Process	Jian Yang	Shanghai University
15:40-16:00	Analysis of Molten Steel Flow Behavior based on Copper Plate Temperature by Optical Fiber Sensor	Hyun-Jin Cho	POSCO
16:00-16:20	Coffee Break		
Afternoon Session 2 (Chair: Wanlin Wang, CSU)			
16:20-16:40	Roll-bonded clad steel products on Baosteel	Sihai Jiao	BaoSteel
16:40-17:00	AI model development for automatic control of roughing mill delivery temperature in hot strip mill	YooSung Lee	Hyundai Steel
17:00-17:20	Research on Casting Technology of Multi-mode Continuous Casting & Rolling line	Guosen Zhu	Shougang Group
17:20-17:40	The importance of steel slag dephosphorization on the utilization of low-grade high phosphorus iron ore	Xu Gao	Central South University
17:40-18:00	Use cases for high value added of steel by-products in RIST	Eun Jin Jung	RIST
Closing Remarks: 1. Ju-Tae Choi (Hyundai Steel CTO); 2. Jong Jin Pak (Hanyang University); 3. Xinhua Wang (HBIS Handan Iron & Steel Group Co., Ltd.) Host: Yongsug Chung (Korea Polytechnic University)			
18:00-18:20			

*The above schedule is planned using Korean Time (Beijing time is -1 to Korean time)

ORGANIZING COMMITTEE

Honorary Symposium Chair

Xinhua Wang (HBIS Handan Iron & Steel Group Co., Ltd.)

Jong Jin Pak (Hanyang University)

Symposium Chair

Wanlin Wang (Central South University)

Yongsug Chung (Korea Polytechnic University)

Qing Song (Chinese Society of Metals)

Local organizing committee

Wanlin Wang (Central South University)

Xu Gao (Central South University)

Jie Zeng (Central South University)

Daoyuan Huang (Central South University)

Yongsug Chung (Korea Polytechnic University)

Youn-Bae KANG (Pohang University of Science and Technology)

Youngjo KANG (Dong-A University)

Joo Hyun PARK (Hanyang University)