

The 13th China Korea Joint Symposium on Advanced Steel Technology

Program (Tentative)_231108

Tuesday, 28 November, 2023		
10:00-18:00	Registration	Lobby of Wyndham Grand Xiamen Haicang
18:00-20:00	Welcome dinner	1st Floor of Wyndham Grand Xiamen Haicang

Wednesday, 29 November, 2023			
Opening			
08:00-08:05	Opening address		
08:05-08:15	Congratulatory addresses		
Session 1			
08:15-08:45	[keynote] Low-temperature sintering technology in BF ironmaking for carbon neutrality	Sung-Mo JUNG	POSTECH
08:45-09:05	Effect of Al ₂ O ₃ on the sintering process and softening-melting behavior of sinter	Chenguang BAI	Chongqing University
09:05-09:25	Progress in low carbon BF-BOF bridge technology in POSCO	Sunghee LEE	POSCO
09:25-09:45	Advanced TMCP for Hot-Rolled Steel Materials	Guo YUAN	Northeastern University
09:45-10:05	Coffee break		
Session 2			
10:05-10:35	[keynote] Technical Concept and Industrial Demonstration of China Baowu HyCROF	Haifa XU	China Baowu Low Carbon Metallurgy Innovation Center
10:35-10:55	Electrochemical refining process for dephosphorization of hot metal	Sanghoon LEE	Yonsei University
10:55-11:15	High Efficiency Operation Practice of Shougang Large Blast Furnace	Qinggele	Shougang Group

11:15-11:35	Evaluating the Impact of Torrefied Biomass on Blast Furnace Performance to Reduce CO ₂ Emissions in the Ironmaking Process	Jun Hee JO	Hyundai Steel
11:35-11:55	Innovation and practice of HBIS Group hydrogen metallurgy demonstration project (HYMEXTM) - the world's first coke oven gas zero reforming DRI project	Menglong LI	HBIS Group
12:00-12:10	Group Photo		
12:10-13:20	Lunch		
Session 3			
13:20-13:50	[keynote] Heavy Reduction of Continuous Casting Slab by a Pair of Big Rollers	Yonglin KANG	USTB
13:50-14:10	Three-dimensional Modeling of Slag Flow in H ₂ -enriched Lower Part of Blast Furnace	Geleta Dereje DEGEFA	Korea University
14:10-14:30	Development of Oxide Metallurgy Technology to Improve the HAZ Toughness of Steel Plate	Jian YANG	Shanghai University
14:30-14:50	Consideration on the borate structure in thermophysical properties of slag at high temperature	Youngjae KIM	Inha University
14:50-15:10	Manufacturing technology and product development for High-quality industrial pure iron in Ansteel Group	Xiangwei LIAO	Ansteel Group Corporation
15:10-15:30	Coffee break		
Session 4			
15:30-16:00	[keynote] Direct inoculation to refine the solidification structure of ferritic stainless steels	Jungwook CHO	POSTECH
16:00-16:20	Formation Mechanism and Control Technology of Edge Straight Crack in Rolled Wide and Heavy Plate	Miaoyong ZHU	Northeastern University
16:20-16:40	Consideration of bubble sizes in the foaming behavior of synthetic EAF slags	Youngjo KANG	DONG-A University
16:40-17:00	Progress in New Technologies and Processes of Shougang Converter	Pan GAO	Shougang Group
17:00-17:20	Development of Vacuum Tank Degasser Process Simulation Model	Min-Kyu PAEK	RIST
18:20-21:00	Banquet		

Thursday, 30 November, 2023

Session 5			
08:10-08:40	[keynote] Hole Expansion Failure of Steel Sheets	Heung Nam HAN	Seoul National University
08:40-09:00	The Development and International Cooperation of “Green and High-end” Automotive Steel Technology of HBIS	Guoping ZHOU	HBIS Group
09:00-09:20	Development of AI Set-up Model on Cold Rolling Mill in POSCO	Sunghyun KIM	POSCO
09:20-09:40	Production Practice and Product Development of Thin Strip Continuous Casting at Shagang	Qingxiao FENG	Sha Steel
09:40-10:00	Development of Automatic Width Control Model in Hot Finishing Rolling Process	Jin Woo JUNG	Huydai Steel
10:00-10:20	Coffee break		
Session 6			
10:20-10:50	[keynote] Control Strategies for the Slab Quality during Continuous Casting Process- from the Point of Mold Metallurgy	Wanlin WANG	Central South University
10:50-11:10	A Novel Technology for Measuring Inclusions in Ferritic Steels using Hydrogen Blistering	SungBae PARK	POSCO
11:10-11:30	Development and Application of Intelligent Manufacturing Key Technology in Zhansteel Steelmaking Plant	Junbin LUO	Baosteel
11:30-11:50	Prediction model for transverse corner cracks of continuous casting slab	Eun Kyu LEE	Hyundai Steel
11:50-12:10	Development of soft reduction of billet for special steel	Xinyu ZHAO	Zenith Steel Group Co., Ltd.
Closing	Session Chair	Yongsug CHUNG	
12:10-12:20	Closing Remarks	Jong-Jin PAK	
12:20-12:30	Announcement of 14th Korea-China Symposium on Advanced Steel Technology		
13:30-18:30	Post Symposium Tour		