

9th Korea-China Joint Symposium on Advanced Steel Technology

Thursday 31 August 2017 – Saturday 2 September 2017

Suite Hotel Jeju, KOREA

FINAL PROGRAM

Thursday, 31 August 2017

	15:00 – 18:00	Registration (Suite Hotel, Lobby)	Soo-Jung CHOI	KIM
	18:30 – 21:00	Welcoming dinner (Suite Hotel, 1 st floor terrace)		

* registration desk will be opened until 12:00 PM, Friday 1 Sep.

Friday, 1 September 2017

	Opening	Session chair	Yongsug CHUNG	Korea Polytechnic University
	08:30 – 08:40	Welcoming address	Jong-Jin PAK	Hanyang University
		Congratulatory addresses	Pei ZHAO Joo CHOI	CSM KIM, POSCO
	08:40 – 08:50	Honorary KIM membership ceremony for Prof. Yong GAN (CSM)	Dong-Joon MIN	KIM
	Session 1	Session chair	Il SOHN (Yonsei Univ)	Miaoyong ZHU (Northeastern Univ)
	08:50 – 09:30	[Key Note] Research on the application of electromagnetic field in ferrometallurgy processes	Zhongming REN	Shanghai University
	09:30 – 09:50	Development of advanced multiphase medium Mn steel using machine learning algorithm	Nam-Hoon GOO	Hyundai Steel
	09:50 – 10:10	A novel process of efficient recycling the valuable elements	Mansheng CHU	Northeastern University
	10:10 – 10:30	Coffee break		
	Session 2	Session chair	Byoungchul KIM (Hyundai Steel)	Mansheng CHU (Northeastern Univ)
	10:30 – 10:50	Production of Mg-Ti bearing pellet with low silica and application in large scale BF	Jirigele QINGGELE	Shougang
	10:50 – 11:10	The reduction behavior of iron ore by hydrogen using a fluidized bed	Seungmoon LEE	POSCO
	11:10 – 11:30	Formation mechanism of blast furnace hearth protective layer	Zhengjian LIU	USTB
	11:30 – 11:50	Development of waste gas recirculation system with improvement of sintering productivity	Eun-Ho JEONG	POSCO
	11:50 – 12:10	Reduction of nitrogen oxides emitted from ironmaking processes	Xianwei LI	BaoSteel
	12:10 – 12:30	Virtual factory in the steel industry	Seok KIM	POSCO
	12:30 – 12:40	Group photo (Suite Hotel, Lobby)		
	12:40 – 14:00	Departure from hotel (Bus) Lunch (Buffet style)		
	14:00 – 18:00	Tour program ; Yacht tour & Oidolgae tour		
	18:00 – 21:00	Banquet (Traditional seafood restaurant) Return to hotel (Bus)		

Saturday, 2 September 2017

Session 3	Session chair	Joong-Kil PARK (POSCO)	Guanghai WEN (Chongqing Univ)
08:30 – 09:10	[Key Note] A new model for understanding solidification behavior of hypo-peritectic steel during continuous casting	Kyung-Woo YI	Seoul National University
09:10 – 09:30	Modeling of the initial solidification and naturally deposited films in strip casting using droplet solidification technique	Wanlin WANG	Central South University
09:30 – 09:50	A new way to predict transverse surface cracks in continuous casting	Joodong LEE	EXPRESSLAB
09:50 – 10:10	Research of billet continuous casting and soft reduction for high carbon steel	Yingchun WANG	BaoSteel
10:10 – 10:30	Numerical analysis and water modeling on the effect of ladle shroud misalignment and impact pad design in four-strand bloom-casting tundish	Moonyoung JO	Hyundai Steel
10:30 – 10:50	Coffee break		
Session 4	Session chair	Youn-Bae KANG (POSTECH)	Wanlin WANG (Central South Univ)
10:50 – 11:10	Sequential heavy reduction technology for wide-thick continuous casting slab	Cheng JI	North Eastern University
11:10 – 11:30	Chromium partition in basic oxygen steelmaking	Juhan CHOI	POSCO
11:30 – 11:50	Optimization of ladle slag and tundish flux in Shougang	Chenxi JI	Shougang
11:50 – 12:10	Optimization of dephosphorization process in BOF	Chang-Ho EOM	Hyundai Steel
12:10 – 12:30	In situ structure study of non-metal metallurgical melts by high temperature Raman spectroscopy and theoretical simulation methods	Jinglin YOU	Shanghai University
12:30 – 13:30	Lunch (Suite hotel)		
Session 5	Session chair	Joo Hyun PARK (Hanyang Univ)	Jinglin YOU (Shanghai Univ)
13:30 – 13:50	Designing viscoelastic mold flux for avoiding slag entrainment and maximizing lubrication ability at continuous steel caster	Seon-Hyo KIM	POSTECH
13:50 – 14:10	Effect of Al ₂ O ₃ on the chemical stability of mold flux during leaching of molten slag	Guanghai WEN	Chongqing University
14:10 – 14:30	Control of non-metallic inclusions in Si-deoxidized high quality special steels	Min JIANG	USTB
14:30 – 14:50	Comparison of inclusions composition changes in ladle treatment by using two simulation models	Sun-Joong KIM	Chosun University
Closing	Session chair	Joo Hyun PARK	Hanyang University
14:50 – 14:55	Closing remarks	Xinhua WANG	USTB, Shougang
14:55 – 15:00	Announcement of 10 th China-Korea Symposium on Advanced Steel Technology	Zhongming REN	Shanghai University