



# **10<sup>th</sup> China-Korea Joint Symposium on Advanced Steel Technology**

**Oct. 21, 2018 – Oct.23 2018  
Gucun Park Hotel, Shanghai, China**

## **FINAL PROGRAM**

- ◆ **Jointly organized by Chinese Society for Metals (CSM) and Korean Institute of Metals and Materials (KIM)**
- ◆ **Hosted by State Key Laboratory of Advanced Special Steel, Shanghai University**

# Symposium Agenda

Date	Time	Schedule	Location
October 21 <sup>th</sup>	14:00~21:00	Registration	Gucun Park Hotel, Shanghai
	18:00~20:00	Welcome Party	Buffet-Western Dinning Hall, Gucun Park Hotel,
October 22 <sup>th</sup>	08:30~08:55	Opening Ceremony	Kaixuan Hall
	08:55~09:00	Group Photo	Gate of Gucun Park Hotel
	09:00~12:30	Session 1 & 2	Kaixuan Hall
	12:30~13:30	Lunch	Baihe Hall
	13:30~17:35	Session 3 & 4	Kaixuan Hall
	18:00~20:00	Banquet	Baihe Hall
October 23 <sup>th</sup>	08:30~12:00	Session 5 & 6	Kaixuan Hall
	12:00~12:10	Closing Remarks	Kaixuan Hall
	13:30~18:00	Tour	Shanghai Center Tower Yuyuan Garden
	18:00~20:30	Dinner	Cruising on the Huangpu River
	21:00		Back to Hotel

# Symposium Schedule

Monday, October 22<sup>th</sup>, 2018

Location: Kaixuan Hall, Gucun Park Hotel

<b>Welcoming Address</b> <i>Chair: Prof. Xinhua WANG</i>	
<b>08:30-08:35</b>	<b>Prof. Zhongming REN</b> <i>Symposium Co-Chair, Shanghai University, China</i>
<b>08:35-08:40</b>	<b>Prof. Jong Jin PAK</b> <i>Symposium Co-Chair, Hanyang University, Korea</i>
<b>Congratulatory Address</b> <i>Chair: Prof. Xinhua WANG</i>	
<b>08:40-08:45</b>	<b>Prof. Minghong WU</b> <i>Vice President of Shanghai University, China</i>
<b>08:45-08:50</b>	<b>Dr. Pei ZHAO</b> <i>Vice President of CSM, China</i>
<b>08:50-08:55</b>	<b>Dr. Kyung Tae HONG</b> <i>President of KIM, Korea</i>
<b>08:55-09:00</b>	<b>Group Photo at Hotel Gate</b>
<b>Session 1</b>	<i>Chinese Chair: Prof. Zhongming REN     Korean Chair: Prof. Jeong Whan HAN (Inha University)</i>
<b>09:00-09:45</b>	<b>[Key Note] Strong Potential of Commercialized High Mn Steel Products and Process for Various Applications</b> <i>Dr. Seong-yeon KIM, POSCO, Korea</i>
<b>09:40-10:05</b>	<b>Application and practice of synergistic control technology of sulfur and nitrate pollutants in HBIS</b> <i>Dr. Changjiang HOU, HBIS Group Technology Research Institute, China</i>
<b>10:05-10:30</b>	<b>Improving Sintering Performance by the Selective Granulation of High Al<sub>2</sub>O<sub>3</sub> Iron Ore and Ultrafine Iron Ore</b> <i>Dr. Seung-wan KIM, POSCO, Korea</i>
<b>10:30-10:50</b>	<b>Coffee Break</b>
<b>Session 2</b>	<i>Chinese Chair: Prof. Zhancheng GUO     Korean Chair: Dr. Seung-wan KIM (POSCO)</i>
<b>10:50-11:15</b>	<b>Smelting Reduction for Hot-metal Production and Coal Gasification</b> <i>Prof. Zongshu ZOU, Northeastern University, China</i>
<b>11:15-11:40</b>	<b>Melting Initiation and Dropping Characteristics in Blast Furnace with Enhancement of Ore Burden Reducibility</b> <i>Dr. Wan-ho KIM, POSCO, Korea</i>
<b>11:40-12:05</b>	<b>Research of Steel Manufactory Process-oriented Poly-generation System and Its Energy Saving &amp; Emission Reduction Effect</b> <i>Dr. Xiuping LI, Central Iron &amp; Steel Research Institute, China</i>
<b>12:05-12:30</b>	<b>Effect of Carbonization Conditions on Coke Qualities</b> <i>Dr. Ju Hee CHOI, Hyundai Steel, Korea</i>
<b>12:30-13:30</b>	<b>Lunch-at Baihe Hall, Gucun Park Hotel</b>
<b>Session 3</b>	<i>Chinese Chair: Prof. Anjun XU     Korean Chair: Prof. Joohyun Park (Hanyang University)</i>
<b>13:30-13:55</b>	<b>Effect of Pressure on Solidification Structure in Nitrogen-Containing Steel Ingot</b> <i>Prof. Zhouhua JIANG, Northeastern University, China</i>
<b>13:55-14:20</b>	<b>Unraveling the critical microstructures to determine the impact toughness of medium Mn steel with triplex phase</b> <i>Prof. Jeongho HAN, Chungnam Notional University, Korea</i>
<b>14:20-14:45</b>	<b>The Recent Development on Application of Electromagnetic Field in Refining and Continuous Casting Process of Steel</b> <i>Prof. Yunbo ZHONG, Shanghai University, China</i>
<b>14:45-15:10</b>	<b>Experimental Investigation and Phase Diagram of CoCrMnNiFe System Bridging High-Entropy Alloys and High-Alloyed Steels</b> <i>Prof. Nokeun PARK, Yeungnam University, Korea</i>
<b>15:10-15:30</b>	<b>Coffee Break</b>
<b>Session 4</b>	<i>Chinese Chair: Prof. Zhouhua JIANG     Korean Chair: Prof. Yongsug CHUNG (Korea Polytechnic University)</i>
<b>15:30-15:55</b>	<b>A Model for Scrap Melting in De-P BOF</b> <i>Prof. Anjun XU, University of Science &amp; Technology Beijing, China</i>
<b>15:55-16:20</b>	<b>Optimization of EAF process charging Hot-Metal for special steel</b> <i>Dr. Jong-Deok KIM, Hyundai Steel, Korea</i>
<b>16:20-16:45</b>	<b>Separation of Fine Inclusion from Liquid Steel under Super Gravity</b> <i>Prof. Zhancheng GUO, University of Science &amp; Technology Beijing, China</i>
<b>16:45-17:10</b>	<b>Experimental Study on DRI Production by Both of Composite Carbon and Gas Reduction</b> <i>Prof. Youngjo KANG, Dong-A University, Korea</i>

<b>17:10-17:35</b>	<b>Progresses of Continuous Casting Technology Development at Shougang Group</b> <i>Dr. Chenxi JI, Research Institute of Technology, Shougang Group Co., Ltd, China</i>
<b>18:00-20:00</b>	<b>Banquet, Baihe Hall, Gucun Park Hotel</b>

## Tuesday, October 23<sup>th</sup>, 2018

**Location: Kaixuan Hall, Gucun Park Hotel**

<b>Session 5</b>	<b>Chinese Chair: Prof. Li WANG    Korean Chair: Dr. Yong-hee KIM (Hyundai Steel)</b>
<b>08:30-09:10</b>	<b>[Key Note] Solidification and Inclusion Characteristics of High Manganese Steel</b> <i>Prof. Jian YANG, Shanghai University, China</i>
<b>09:10-09:35</b>	<b>Improvement of Bloom Longitudinal Surface Crack through SEN Design Optimization</b> <i>Dr. Jong-Dae SHIN, Hyundai Steel, Korea</i>
<b>09:35-10:00</b>	<b>Research on Inclusion Control in High Grade Gear Steel</b> <i>Dr. Zhaoping CHEN, Baoshan Iron &amp; Steel Co., Ltd., China</i>
<b>10:00-10:25</b>	<b>A study on the utilization of slag as high value added resources</b> <i>Dr. Eun Jin JUNG, RIST, Korea</i>
<b>10:25-10:45</b>	<b>Coffee Break</b>
<b>Session 6</b>	<b>Chinese Chair: Prof. Jian YANG    Korean Chair: Prof. Nokeun PARK (Yeungnam Univ)</b>
<b>10:45-11:10</b>	<b>Microstructures And Mechanical Properties Of Cold-Rolled Interstitial-Free Steel After Flash Processes</b> <i>Prof. Haiwen LUO, University of Science &amp; Technology Beijing, China</i>
<b>11:10-11:35</b>	<b>Hyper-connected Research and Education System for Future Society - Center for Research and Education of Metallurgy</b> <i>Prof. Joonho LEE, Korea University, Korea</i>
<b>11:35-12:00</b>	<b>Recent Progress of Development and Application of the New Gen. AHSS in Baosteel</b> <i>Dr. Li WANG, Baoshan Iron &amp; Steel Co., Ltd., China</i>
<b>Closing Remarks</b>	
<b>12:00-12:05</b>	<b>Prof. Xinhua WANG</b> <i>University of Science &amp; Technology Beijing, China</i>
<b>12:05-12:10</b>	<b>Prof. Jong Jin PAK</b> <i>Hanyang University, Korea</i>
<b>12:10-13:00</b>	<b>Lunch-at Baihe Hall, Gucun Park Hotel</b>
<b>Tour</b>	
<b>13:30-15:30</b>	<b>Shanghai Center Tower</b>
<b>15:30-18:00</b>	<b>Yuyuan Garden</b>
<b>18:00-20:30</b>	<b>Dinner-Cruising on the Huangpu River</b>
<b>21:00</b>	<b>Back to Hotel</b>