

8th Korea Japan Workshop on Science and Technology in Ironmaking and Steelmaking

Dear Colleagues,

This announcement is the third and final circular for the 8th Korea Japan Workshop on Science and Technology in Ironmaking and Steelmaking, which will be held in the beautiful island of Jeju Korea on September 2nd-4th, 2012. The topics of the symposium will include the high temperature physical chemistry relevant to ironmaking and steelmaking. The symposium aims to provide the latest research results in these areas and provide academia and industry professionals from Korea and Japan a venue for in-depth discussions and strengthen the close network ties between some of the most globally recognized professionals in the field of ironmaking and steelmaking from the two countries. The oral presentations are organized with select invited talks, but participation in the symposium is open to all those interested and always welcomed.

We hope that this venue and the organization of the sessions stimulate research topics in the area of iron and steel among the participants and strengthen the collaboration between our two countries. The following tentative schedule has been planned for this very special workshop.

*9/2/2012 (Sunday) Registration (2 pm – 6 pm near hotel reception desk)
Welcome Reception (Terrace 6 pm – 8 pm)*

*9/3/2012 (Monday) Presentations (Morning 8 : 50 am /Afternoon 1:30 pm)
Activities #1 (Walking trail 1.0 hr starting from 5:30 pm)
Dinner Banquet (7:00 pm-9:00 pm)*

*9/4/2012 (Tuesday) Presentations (Morning 9:00 am ending 11:05 am)
Activities #2 (Yacht Excursion 12:30 pm-2:30 pm)*

[Presentation Schedule]

9/3/2012 (Monday)

Order	Time	Title	Author
0	08:50 ~ 9:00	Welcoming address	Dong Joon Min
1	9:00 ~ 9:40	Importance of kinetic models in the analysis of steelmaking reaction, [Keynote]	Shin-ya Kitamura (Tohoku University)
2	9:40 ~ 10:05	Agglomeration and reduction process of iron ore, [Ironmaking]	Sang Han Son (POSCO)
3	10:05 ~ 10:30	Introduction of recently developed technologies for low coke rate blast furnace operation at Kobe Steel, [Ironmaking]	Akito Kasai and Kentaro Nozawa. (Kobe Steel)
	10:30-10:50	Coffee Break	
4	10:50 ~ 11:15	Preparation and reduction behavior of semi-charcoal composite pellets, [Ironmaking]	Hirokazu Konishi, Tateo Usui and Hideki Ono. (Osaka University)
5	11:15 ~ 11:40	On the abnormal tuyere failure phenomena in the Blast Furnace, [Ironmaking]	H. Kim, W.S. Choi, H.S. Oh, S.K. Min, and Y.J. Lee (Hyundai Steel Company)
6	11:40 ~ 12:05	Pure iron obtained by hydrogen reduction and thermodynamics of	Yoshiaki Kashiwaya and Masakatsu Hasegawa

		inclusions, [Iron and Steelmaking]	(Kyoto University)
	12:05 ~ 13:30	Lunch	
7	13:30 ~ 13:55	Innovation of steelmaking process at Sumitomo Metals, Kokura Steel Works, [Steelmaking]	Tomoyuki Mori. (Sumitomo metals)
8	13:55 ~ 14:20	Effective use of metastable reactants for metallurgical processes, [Steelmaking]	Dong-Yuk Kim, Woo-Il Park, Hyuon-Soo Kim and Yasushi Sasaki. (POSTECH GIFT)
9	14:20 ~ 14:45	Numerical simulation of heat transfer to molten metal through heated powder by oxy-fuel burner, [Steelmaking]	Shingo Sate, Goro Okuyama, Naoki Kikuchi, Yuji Miki and Yasuo Kishimoto (JFE Steel)
10	14:45 ~ 15:10	Surface melting and Ni alloying in steels containing Cu by means of DC arc plasma under AC magnetic field [Steelmaking]	Ken-ichi Yamamoto, Hideki Hamatani, Sunao Takeuchi, Kenji Umetsu and Takehiko Toh. (Nippon Steel)
	15:10 ~ 15:30	Coffee Break and photo shoot	
10	15:30 ~ 15:55	Corrosion mechanism of MgO-C refractory in contact with ferromanganese alloys and slags, [Refractory in Steelmaking]	Yongsug Chung, Hyung-sik Um, Seon-hwa Huh, Kyu-yong Lee (Korea Polytechnic University)
11	15:55 ~ 16:20	Effect of CaO on phosphate capacity of deoxidation slag, [Steelmaking]	Yoshinao Kobayashi and Shinji Kodama. (Tokyo Institute of Technology)
12	16:20 ~ 16:45	Characteristics of non-metallic inclusions formed by Al-Ti deoxidation, [Steelmaking]	Wonjin Choi, Hiroyuki Matsuura and Fumitaka Tsukihashi. (The University of Tokyo)

9/4/2012 (Tuesday)

Order	Time	Title	Author
14	09:00 ~ 09:40	Steel: Where From, Where Now, Where To [Keynote]	Hae Geon Lee (POSTECH GIFT)
15	09:40 ~ 10:05	High temperature physical chemistry of slags and refining reactions for the production of high Mn steels and ferroalloys, [Steelmaking]	Joo Hyun Park. (University of Ulsan)
16	10:05 ~ 10:30	Stirring effect on crystallization behavior of molten calcium silicates characterized by electrical capacitance measurement, [Steelmaking]	Noritaka Saito, Kakeru Kusada, Sohei Sukenaga, and Kunihiko Nakashima. (Kyushu University)
17	10:30 ~ 10:55	The mold flow by AC electromagnetic force [Continuous Casting]	Han Sang Woo (POSCO)
18	10:55 ~ 11:05	Closing Remarks	Fumitaka Tsukihashi
19	11:05 ~ 12:00	Lunch	

Tour will end before 3 pm and a shuttle bus will take participants to airport. (40 min)

For those authors who have not submitted their manuscripts, please do so. Thank you for your cooperation.

Dong Joon Min
Chair

Registration fee : US\$300.00 (All participants, ₩330,000) includes banquets, excursions, and lunch.

Hotel : The Suites Hotel (<http://www.suites.co.kr/>)
Address : 2812-10 Seakdal-dong Seogwipo-Si, Jeju-do. Tel.+82-64-738-3800
Price : 160,000 Korean won (single bed per person per night, VAT and breakfast included)
180,000 Korean won (twin bed per two person per night, VAT and breakfast included)
50 rooms have already been reserved and participants need only to notify the respected organizers of attendance.

International Organizing Committee:

Il Sohn (Yonsei University)

Joonho Lee (Korea)

Joo Hyun Park (Ulsan University)

Yoon Bae Kang (POSTECH)

Fumitaka Tsukihashi (The University of Tokyo)

Kazuki Morita (The University of Tokyo)

Yoshinao Kobayashi (Tokyo Institute of Technology)

Takahiro Miki (Tohoku University)

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