



International Conference on Smart Carbon Saving and Recycling for Ironmaking
(ICSRI)

Date: 2nd -4th October, 2013

Venue: Shonan Village Center

(Kamiyamaguchi, Hayama Miura-gun, Kanagawa 240-0198, Japan)

Phone: +81-46-855-1810, Fax: +81-46-855-1202, URL: <http://www.shonan-village.co.jp/>)

Conference URL: <https://www.isij.or.jp/mukrwsngl>

Organizers: Research Group of Carbon Recycling Iron Making System, Division of Environmental, Energy and Social Engineering, and Research Group of Optimization of Transport Phenomena for Low Carbon Blast Furnace, Division of High-Temperature Processes, The Iron and Steel Institute of Japan

Supporters: The Iron and Steel Institute of Japan, The 54th Committee on Ironmaking of Japan Society for the Promotion of Science, Foundation for Interaction in Science & Technology

Committees:

Organizing Committee

Chair: Yukitaka Kato (Tokyo Tech.)

Koji Saito (NSSMC), Takaiku Yamamoto (Osaka Univ.), Eiki Kasai (Tohoku Univ.), Akio Fujibayashi (JFE), Yutaka Ujisawa (NSSMC), Kiyonori Yamamoto (Nisshin), Hiroshi Nogami (Muroran Inst. Tech.), Yoshiaki Kashiwaya (Kyoto Univ.), Tsuyoshi Mimura (Kobelco), Tatsumi Ishihara (Kyushu Univ.)

Program Committee

Chair: Shigeru Ueda (Tohoku Univ.)

Ichiro Ymananka (Tokyo Tech), Miyuki Hayashi (Tokyo Tech), Hiroyuki Matsuura (Univ. Tokyo), Taichi Murakami (Tohoku Univ.), Takeshi Sato (JFE), Yutaka Sassa (Nisshin), Minoru Asanuma (JFE), Tetsuya Nishimura (NSSMC), Hiroshi Sakai (NSSMC), Akito Kasai (Kobelco)

Scope: For efficient utilization of carbon resources and reduction of carbon dioxide emission from ironmaking process, low-carbon smart ironmaking process by using technologies related with carbon saving and recycling is discussed in this conference. The two organizers of the Research Group of Carbon Recycling Iron Making System and the Research Group of Optimization of Transport Phenomena for Low Carbon Blast Furnace in The Iron and Steel Institute of Japan are attempting to establish mutual communication and smart low-carbon

ironmaking system from this event. Because the development of fruitful communication between participants is also important subject, accommodation room in the Center is planned to be shared with plural participants.

Research subjects:

A. Carbon recycling ironmaking system

1. Design of carbon recycling and low-carbon ironmaking system
2. New iron making system
3. Carbon recycling technologies
 - 3-1. CO₂ reduction: electrolysis, hydrogen reduction, thermo chemical reduction
 - 3-2. Low-carbon ironmaking technologies: Decarburization reaction, cementite utilization, chemical vapor infiltration
4. Primary energy supply: high-temperature gas cooled reactor, renewable energy, waste heat recovery

B. Low carbon blast furnace

1. Burden and gas flow in low reducing agent operation
2. Behavior of powdery particle in blast furnace
3. Reduction and melting phenomena of iron ore
4. Influence of physical property of liquid phase on gas permeability in blast furnace

Publication and Abstract:

Abstract booklet will be published in the conference. Other publications are not planned. Two pages abstract based on a template is required to be submitted by **26 July, 2013 (Extended)**. ~~15 July, 2013~~.

Download the Abstract Template from the web page and submit it to Ichiro YAMANAKA, yamanaka@cms.titech.ac.jp, Tokyo Inst. Tech, by e-mail.

Registration and Accommodation:

Download the Registration and Accommodation Form, and fill the inquiry boxes and **return your form to both** Ueda, Prof., Tohoku Univ., tie@tagen.tohoku.ac.jp, and Matsumoto, Mr., Shonan Village Center, matsumoto@shonan-village.co.jp, please. The total fees of your registration and accommodation is asked to be paid only by bank transfer the following bank account.

Bank account name: ISCRE office (Shigeru Ueda)

Paying bank : MIZUHO BANK, LTD.

A/C with branch: SENDAI BRANCH

Address: 3-1-1 Ichibancho Aobaku Sendai city Miyagi pref. Japan

SWIFT CODE: MHBKJPJT

A/C Number: 723-4774438

A/C Holder ICSRI

*** Commission fee for the bank transfer is asked to be paid by the payer, please.**

Inquire payment process to Shigeru Ueda, tie@tagen.tohoku.ac.jp, Tohoku Univ. The receipt will be passed to the participant during the conference.

Table 1 Registration fees

	Regular	Student
Early payment by 15 th July, 2013	20,000 JPY	10,000 JPY
Previous registration by 15 th September, 2013	25,000 JPY	15,000 JPY
Registration desk in the conference	30,000 JPY	20,000 JPY

* Registration fee includes conference materials, reception and banquet events and coffee breaks.

* Registration cancel refund of 80% of the original fee is available until 15th July, 2013. After 16th July, 2013, refund will be not acceptable.

Accommodation

Because the event seeks fruitful mutual communication, the participants are strongly recommended to stay at the Shonan Village Center, and organizer would like to ask them to share a twin-room with another participant. Accept that the room arrangement depends on organizers, please. However, remember that there is limitation of numbers of reserved rooms. The Organizer offers only the reserved accommodation in the Center.

For the accommodation reservation, fill the boxes in the registration and accommodation form. Accommodation fee following Table 2 is required to be paid by a bank-transfer to the same account of ICSRI office with registration fee. The receipts will be passed to the participant during the conference.

Table 2 Accommodation fees

Two-nights (2 nd -4 th October) accommodation in the Shonan Village Center	20,000 JPY/2day
Personal reservation (2 nd and/or 3 rd October) accommodation in the center	15,000 JPY/1day

*Two-nights shared twin room (2nd-4th October) accommodation fee includes two breakfasts (3, 4 Oct), a lunch (3 Oct). Personal reservation (2nd or 3th October) one includes a breakfast (3 or 4 Oct), a lunch (3 Oct).

*Accommodation cancel refund of 80% of the original fee is available until 31st August, 2013. After 1st September, 2013, refund will be not acceptable.

Excursion: In the afternoon on 4th October, 2013, a cultural excursion until about 17:00 is planned at the free charge.

Inquiries:

Accommodation: Kei Matsumoto, Mr., Shonan Village Center,

E-mail: matsumoto@shonan-village.co.jp,

TEL +81 (0)46-855-1801 FAX +81 (0)46-855-1816

Registration and Payment process: Shigeru Ueda, Assoc. Prof., Tohoku University,

E-mail: tie@tagen.tohoku.ac.jp, Phone: +81 (0)22-217-5159

General inquiry: Yukitaka Kato, Assoc. Prof., Tokyo Institute of Technology

2-12-1-N1-22, Ookayama, Meguro-ku, Tokyo 152-8550, Japan

E-mail: yukitaka@nr.titech.ac.jp, Phone: +81 (0)22-217-5159

Important dates:

Abstract submission

26 July, 2013 (Extended) ~~15 July, 2013~~

Deadline of early registration

15 July, 2013

Conference

2-4 October, 2013