

BUMA VIII

The Eighth International Conference on the Beginnings of the Use of Metals and Alloys



10-15 September 2013

Nara Prefectural Cultural Hall

Nara, Japan

ORGANIZER

The Iron and Steel Institute of Japan

ABOUT THE CONFERENCE

The international conference on “the Beginnings of the Use of Metals and Alloys” (BUMA) is the interdisciplinary gathering of scientists, engineers, archaeologists and historians with a focus on production and use of metals, and an emphasis on cultural interactions and evolutions over time and space especially between the West and the Asian region.

BUMA was founded in 1981 by two eminent archaeometallurgists Prof. Robert Maddin in Philadelphia USA and Prof Tsun Ko in Beijing, China, with the strong support of late Professors Cyril Stanley Smith (MIT) and Yunoshin Imai (Tohoku University) from the second Conference on. From Beijing in 1981 BUMA has traveled to Zhengzhou, China (1986), Sanmenxia, China (1992), Matsue, Japan (1998), Gyeongju, Korea (2002), Beijing, China (2006) and Bangalore, India (2009).

BUMA VIII will be held in Nara, Japan in 2013. As the ancient capital of Japan, there are many historical and cultural attractions in Nara. The great bronze statue of Buddha (Daibutsu) in the Todaiji Temple was cast using ca.500 tonnes of copper in AD 747-749 and marks the beginning of the new age of the metal production in Japan.

Scope of the Conference

The main theme at the Nara Conference is “Cultural Interaction and the Use of Metals”. The Conference will provide a forum for discussion on the effects of metals on the culture and history with a special focus on Asian materials. Comparative studies and case studies on ancient and traditional metallurgy from other regions can illuminate the interactions between the Far East and the West through South Asia as well as Eurasia.

The Conference covers the following theme:

- (1) Iron and Steel Technology
- (2) Copper and Bronze Technology
- (3) Precious Metals and Coinage
- (4) Casting Technology of Bronze and Iron
- (5) Swords and Iron Artifacts
- (6) History of Alloys (Brass, Paktong and Shiromé)
- (7) Ores and Metal Production
- (8) Illustrated Technology of Mining and Metallurgy
- (9) Experimental Metallurgy, Survey Methods and Conservation

Poster Session

We will try and avoid parallel sessions, and the poster session will allow maximum participation.

Papers presented at the conference and accepted by the editorial committee will be published in the proceedings. Special attention should be given to the archaeological and historical background of the studies and to the interaction between specialized researchers. The conference language will be English.

Conference Venue

The Conference will be held at the [Nara Prefectural Cultural Hall](#) in the center of Nara city, Japan. The hall locates northwest of Nara Prefectural Office, about 10 minutes walking far from Kintetsu-Nara station. It should be noticed that from JR-Nara station it may take about 30 min on foot.

Field Tours

Post conference short field tours to visit museums near Nara, and traditional iron making sites are considered. These details will be made available on the website.

Important Dates

Abstract (within 1 page) submission Deadline: February 28, 2013

Abstract Acceptance: March 31, 2013

Advance registration Deadline: May 31, 2013

Final Programme: July 31, 2013

Conference: September 10-15, 2013

Full paper (within 8 printed pages) submission Deadline: September 13, 2013

Submitted abstracts and list of delegates may be accessed at the BUMA 2013 website.

(<http://buma8.wiki.fc2.com/>)

Abstracts

Abstract should be prepared for each presentation within 1 page of A4 size including text, figures and tables before February 28, 2013. Only single column style is available. Purposes, results and conclusions should be described clearly while trade names and jargons should not be used. A template of abstract is distributed in the [following site](#); https://www.isij.or.jp/?action=common_download_main&upload_id=465

The abstract can be submitted through the following e-mail; buma8@issjp.com

Abstract acceptance will be communicated by March 31, 2013. Both oral and poster presentations are planned.

Full paper

Full paper should be prepared for each presentation within eight printed pages despite of original regulation before September 13, 2013. Authors should follow a guideline for the preparation of manuscript for “ISIJ International” as follows;

https://www.isij.or.jp/E_Katsudo/E_Kaiho/e_0310.pdf

Also instructions for authors in the following site is helpful;

https://www.isij.or.jp/E_Katsudo/E_Kaiho/Regulations.pdf

(Although it is described that maximum page of regular article is ten, that for BUMA8 is independently set as “eight” pages.)

After reviewing process, the full paper will be distributed to all of attendees by CD-ROM around June 2014. About 30 of selected full papers will be published in a special issue of “ISIJ International” around May 2014.

Registration

The registration fee will cover light refreshments on all days, reception and abstract and CD of full papers with color pages. The selected papers will be published in ISIJ International (monochrome). We encourage active participation by students at this conference. Registration as a student is possible only with a certificate from the concerned university. Registration for an accompanying person is complimentary.

You can register online at the BUMA2013 website from 25 December 2012.

Registration fee (including banquet fee)

Regular Participant

Registration and payment before 31 May 2013: JPN yen 25,000

Registration and payment after 31 May 2013: JPN yen 30,000

Students

Registration and payment before May 31, 2013: JPN yen 20,000

Registration and payment after May 31, 2013: JPN yen 25,000

Accompany person: JPN yen 5,000

(Including Exhibitions of Buddha statues and Gagaku (Japanese traditional music))

Registration fee can be paid through credit card or bank transfer. You can register online

at the BUMA2013 website from 25 December 2012 via following website;
<http://www.buma8-reg.com/>

Travel and Accommodation

All overseas delegates are requested to apply to the nearest Japanese Embassy/Consulate for their visa. Upon request, the BUMA 2013 Chairpersons can send an invitation letter for visa purposes.

Nara is well connected to the rest of the world directly through Kansai International Airport. Also, Osaka International Airport and Kobe Airport are available as final destination connected from New Tokyo International Airport or Narita International Airport by a large number of domestic airlines.



You can find some information about Nara city through [Nara City Sightseeing Information Center](http://narashikanko.or.jp/en/); <http://narashikanko.or.jp/en/>

Hotels are being identified for rooms in the range of \$ 70 to \$ 300 per night. As an example, you can find accommodation through [booking.com](http://www.booking.com). Since many tourists will visit Nara this season, earlier booking is strongly recommended.

Conference Organizations

Iron and Steel Institute of Japan
Niikura Building (2F)

2 Kanda-Tsukasacho 2-chome, Chiyoda-ku, Tokyo, 101-0048 JAPAN

Phone: + 81-3-5209-7011 Fax: + 81-3-3257-1110

<http://www.isij.or.jp/>

The Standing Committee of the BUMA Conferences

Honorary Chairpersons:

Prof. Robert Maddin (USA)

Prof. Tsun Ko (China)

Chairpersons:

Prof. Thilo Rehren (UK)

Prof. Jianjun Mei (China)

Members:

Dr. David Bourgarit (France)

Prof. E. Chernykh (Russia)

Dr. Paul Cradock (UK)

Dr. Alessandra Giumlia-Mair (Italy)

Prof. Rubin Han (China)

Prof. Andreas Hauptmann (Germany)

Prof. Eiji Izawa (Japan)

Prof. Katheryn Linduff (USA)

Prof. Kazuhiro Nagata (Japan)

Prof. Jan-Sik Park (Korea)

Prof. Hyung-yong Ra (Korea)

Prof. Srinivasa Ranganathan (India)

Prof. Sharada Srinivasan (India)

Secretary:

Dr. Wei Qian (China)

Organizing Committee

Conference Chairperson

Kazuhiro Nagata

Professor Emeritus, Tokyo Institute of Technology

Professor, Tokyo University of the Arts

Conference Vice-Chairperson

Eiji Izawa

Professor Emeritus, Kyusyu University

BUMA 2013 Secretariat

Assistant Professor, Eiji Yamasue, Kyoto University

buma8@issjp.com

<http://buma8.wiki.fc2.com/>

National Organizing Committee

Prof Yoshinori Anazawa, Archaeologist

Prof Shin'ichiro Fujio, National Museum of Japanese History

Prof Akio Fuwa, Waseda University

Prof Mitsuo Hagihara, Teikyo University

Prof Shoji Hirai, Tokyo City University

Prof Shinya Isogawa, Kyoto Tachibana University

Prof Kotaro Kuroda, Meijo University

Prof Haruhisa Mifune, University of Toyama

Prof Yasuyuki Murakami, Ehime University

Prof Tetsuya Nakanishi, Kyushu University

Mr. Yasuji Shimizu, Archaeological Institute of Kashihara

Mr. Fuminori Sugaya, Archaeological Institute of Kashihara

Prof Katsunori Yamaguchi, Iwate University

Prof Reijiro Takahashi, Tohoku University

Prof Keiichi Terashima, Chiba Institute of Technology

Sponsors

BUMA VIII will be held under the auspices of

The Iron and Steel Institute of Japan,

Japan Society for the Promotion of Science, and

Hyuga Memorial Grant for International Conference.