



CSM
The Chinese Society for Metals



Ninth International Conference on
Molten Slags, Fluxes and Salts

in

Beijing, China

May 27-30, 2012

First Announcement and Call for Papers

<http://hy.csm.org.cn/molten12/en/>

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Dear Colleagues,

The organizing committee is pleased to invite you to the Ninth International Conference on Molten Slags, Fluxes and Salts (MOLTEN12) held in Beijing China on May 27-30, 2012.

The Conference will focus on ferrous, and non-ferrous metallurgy where ionic melts, slags, fluxes or salts play important roles. Special emphasis will also fall on the area of low carbon technologies for environmental protection. The topics of technical program can be found in the First Announcement of MOLTEN12. The program schedule includes symposia, poster sessions and an industrial exhibition. The Conference aims to provide a forum for the scientists and industrialists of the world to share their ideas, observations and innovations.

The conference will be held in Beijing. As the capital of China, Beijing is not only the center of politics, economics and culture, but it is also the scientific, technical and educational center, as well as the home to many universities, research institutes and museums. Beijing boasts a history of more than 3,000 years, of which more than 800 years were as the national capital for six dynasties. It has many places of historic interest, including: the Temple of Heaven, the Summer Palace, the Forbidden City, etc. In addition to technical program, a varied social program is planned for all participants and their companions.

We invite you to join us in Beijing and look forward to a successful and inspiring conference!



Conference Chairman

Professor and Member of Chinese Academy of Sciences

Kuo-Chih Chou

Technical program

Recognized international experts will present plenary lectures on the topics of slags in ferrous metallurgy (ironmaking, steelmaking, and ferroalloys), electrochemical processing in ionic melts, as well as recent trends of development of low carbon technique with the participating of ionic melts. Papers will be presented in parallel sessions over the three days of the conference.

Contents of papers

- Thermodynamic properties and phase diagrams (experimentation, modeling and applications) of ionic melts
- Physical properties (viscosities, thermal diffusivities, and etc) of slags, fluxes and salts
- Slags, fluxes and salts in ferrous and nonferrous metallurgical industry
- Novel applications of slags, fluxes and salts
- Interfacial and process phenomena involving foaming, bubble formation and drainage;
- Fluxes and slags in welding processes;
- Glass properties and their industrial applications
- Refractory properties and performance;
- Refractory erosion and refractory /metal/slag interactions;
- Recycling and further utilization of metallurgical slags;
- Models and their applications in process improvement and optimization;
- New technology development and process improvement;
- Low carbon technology and process development

Proceedings

The conference proceedings will be published on CD-ROM, the abstracts will be printed in hard –copy form, and handed out to all participants upon registration.

Language

The working language of the conference will be English.

Exhibition

Poster presentations as well as an industrial exhibition will be integrated in the Conference program.

Hotel reservation

Information for hotel room reservation will be provided for delegates in the next Announcement.

Important dates

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| Second announcement and final call for papers: | May 2011 |
| Deadline for submission of abstracts: | November 15, 2011 |
| Notification to abstract authors: | December 20, 2011 |
| Deadline of submission of full papers: | March 15, 2012 |
| Deadline for early registration: | March 25, 2012 |

Technical visits

Technical visits to universities, research institutes in the fields of ferrous, and non-ferrous metallurgy, as well as high temperature process science in Beijing can be arranged for delegates. If there is sufficient interest, technical tours to selected plants of iron and steelmaking will be arranged.