



中国有色金属学会

THE NONFERROUS METALS SOCIETY OF CHINA



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The 12th World Conference on Titanium

Ti-2011

Beijing, China June 19-25, 2011

Organized by

The Institute of Materials, Minerals and Mining, UK
 The Minerals, Metals and Materials Society (TMS), USA
 The American Society for Materials (ASM) International, USA
 Association "Titan", CIS
 The Japan Institute of Metals, Japan
 Deutsche Gesellschaft fur Materialkunde(DGM), Germany
 Societe Francaise de Metallurgie et de Materiaux(SF2M), France
 The Nonferrous Metals Society of China, China

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Northwest Institute for Nonferrous Metal Research
Northwestern Polytechnical University
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Baoti Group Ltd.

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Chinese Academy of Engineering

Introduction

The 12th World Conference on Titanium (Ti-2011) is the 12th in a series of meetings held every four years since 1968, with purpose of bringing together the worldwide titanium community to present and discuss progress in titanium technology. It will cover all aspects of titanium, including the complete production route from the ore to finished products, new alloy and process development, microstructure/property evaluation and applications in all areas. The participation of the seven major titanium countries (USA, CIS, Japan, UK, France, China, and Germany) in the International Organizing Committee (IOC) guarantees extensive coverage of all new interesting areas in research, development and application of titanium.
The number of participants Ti-2011 is expected to be more than 1000. Scientists, engineers, officials, entrepreneurs and. investors in the field of titanium research, development, application, industrialization and education etc are warmly welcome.

Conference Topics

This conference will follow the style of the former meetings. Seven plenary lectures will be given by the

members of the IOC, and 15 keynotes for the symposiums will be arranged. This conference will have seven parallel sessions daily. The following 12 symposiums on different topics will be included:

1. Extractive metallurgy (1 keynote)

New reduction methods, sponge, melting, recycling etc.

2. Wrought processing (1 keynote)

Billet, plate, sheet, bar, forging, extrusion, etc.

3. Microstructure evolution (2 keynotes)

Phase transformation, thermal mechanical processing for microstructure and texture control, phase diagram calculation, phase field simulation.

4. Properties (1 keynote)

Microstructure-properties relationships, influence of internal stress, texture and other facets.

5. Intermetallics & MMCs (1 keynote)

TiAl, Ti₃Al, Ti₂AlNb etc. and MMCs.

6. Component manufacturing (1 keynote)

Sheet forming, welding and joining technology, machining, surface enhancement, inclusion inspection.

7. Near net shape processing (2 keynotes)

Casting, laser forming, deposition, powder metallurgy, HIP and process modeling.

8. Environmental behavior (1 keynote)

Corrosion, oxidation and surface modification.

9. Aerospace applications (1 keynote)

Airframes, spacecraft, aero-propulsion.

10. Biomedical and healthcare applications (1 keynote)

New alloy development, biomedical properties and surface modifications, products.

11. Emerging applications and market (2 keynotes)

Automobile, sports, leisure, offshore, nuclear power station, energy saving, emission reduction and environmental protection applications.

12. Marine applications (1 keynote)

Hull structure, propulsion system and other parts.

Special Forums

Besides the above 12 topics, there will be 3 special forums (with invited talks) arranged considering the fast development of Ti industry.

Important Dates

◇First announcement: August 30, 2009

◇Second announcement and call for papers: June 30, 2010

◇Abstract deadline: December 30, 2010

◇Manuscript deadline: March 30, 2011

◇Final Program: April 30, 2011

◇Conference: June 19-25, 2011

◇Proceedings: December 30, 2011

Exhibition

The 2011 Beijing International Exhibition on Titanium Industry along with the conference, including advanced titanium science & technology, advanced titanium products, equipments & supplies, scientific instruments and publications etc.

Registration Information

◇Full registration fee for authors/delegates: USD700

Including: final program, abstract booklet, proceedings, souvenir, welcome reception, banquet, coffee breaks, performance, lunches (from Monday to Saturday), technical excursion and city sightseeing (half day in Beijing).

◇Reduced registration fee for students: USD270

Including: final program, abstract booklet, souvenir, welcome reception, coffee breaks, performance, lunches (from Monday to Saturday).

◇Accompanying Person: USD150

Including: souvenir, welcome reception, banquet and city sightseeing (half day in Beijing).

Language

The language for papers and presentations at the conference is English.

Social Activities

Ti-2011 will arrange visits to titanium manufacturers and research organizations located around Beijing and modern and ancient sightseeing during the conference. The Olympic Village with its modern construction will be available for the participants to visit free of charge, and also arranged are visits to the Great Wall or Tiananmen Square. For the participants who would like to visit Xi'an and Hangzhou, we will also arrange technical excursions to two important titanium industry bases, which are Bao Ti (located in Baoji) and Bao Steel (located in Shanghai).

Conference Location

The conference will be held in the China National Convention Center (CNCC). Ideally located in the heart of Beijing Olympic Green, CNCC stands right next to the Bird's Nest, Water Cube and National Indoor Stadium.

Accommodation

The InterContinental Beichen Hotel (five-star) nearby CNCC will provide accommodation for the majority of participants. It is 20 km away from the Beijing International Airport to the east, 9 km from Tian'an men Square to the south and 80 km away from the Great Wall to the north. For your reference, we also recommend another 20 hotels, which are 10 to 15 minutes walk from the CNCC and provide the participants with more freedom of choice.

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