

# INTERNATIONAL CONFERENCE ON POWER BEAM PROCESSING TECHNOLOGIES (ICPBPT2010)



Oct. 25-29, 2010 Beijing, China

[www.icpbpt.com](http://www.icpbpt.com)

Organized by

The National Key Laboratory for Power Beam Processing Technologies at BAMTRI

Supported by



Beijing Aeronautical Manufacturing Technology Research Institute (BAMTRI), AVIC  
<http://www.bamtri.com>



The Welding Institute Ltd, UK  
<http://www.twi.co.uk>

Associated by



International Institute of Welding  
<http://www.iiw-iis.org>



Chinese Mechanical Engineering Society  
<http://www.cmes.org>



National Natural Science Foundation of China  
<http://www.nsf.gov.cn>



Chinese Welding Society  
<http://www.china-weldnet.com>

## 1<sup>st</sup> Announcement and Call for Papers

For the past few years, remarkable progress has been made in the field of power beam processing technologies, e.g. high power laser techniques, Free Form Manufacturing, new structures welded by EB&LB, EB texturing, hybrid welding, hybrid surface engineering etc. In order to promote the technical innovation and application in the fields of power beam processing technologies, ICPBPT2010 will be held on Oct.25~29, 2010 in Beijing. This is the 3<sup>rd</sup> one of the series of Int'l Conferences organized by the National Key Laboratory for Power Beam Processing Technologies. The 1<sup>st</sup> and 2<sup>nd</sup> International Conferences on Power Beam Processing Technologies were held successfully in 2004(in Province Yunnan) and 2007(in Beijing) to enhance the domestic and international technical exchanges.

ICPBPT2010 will focus on the current research and new developments in the fields of power beam processing technologies. World-wide distinguished experts will be invited to deliver lectures at the plenary session. Professors from universities

and research institutes, specialists and engineers from industries are welcomed to give reports at sessions. Technical visits and sightseeing tours will also be organized after the conference.

### **Conference Topics**

**The conference shall cover the fields of processing technologies using laser beam, electron beam, ion beam& plasma and hybrid beam techniques as well as related testing, controlling, evaluation, application and equipments, etc.**

Below are the main areas covered by ICPBPT2010:

Welding & Joining	Cutting
Drilling	Free Form Manufacturing
Texturing	Ion Beam Modification
Physical Vapor Deposition	Plasma Spray
Laser Shoot Peening	Testing and Controlling

### **Call For Papers**

Abstracts of 200-300 words and the table below should be filled and submitted together to the organizer through email: pbpt\_bamtri@yahoo.com.cn.

Title of the paper	
Primary author, Title	
Organization	
City, Country	
Tel.	
Email	
Fax	
Post Address	

### **Important Dates**

**Submission of Abstracts:** by March 28, 2010

**Submission of camera ready (e-version) manuscript:** by September 10, 2010

**Mark your calendar now, submit your abstract no later than Mar.28, 2010**

### **Language**

The official language of the conference is English which will be used for presentations and printed materials.

## **Conference Chairman**

Prof. Dr. GUAN Qiao

Beijing Aeronautical Manufacturing Technology Research Institute (BAMTRI), China  
Member, Chinese Academy of Engineering (CAE)

## **Conference Co-Chairmen**

Prof. Dr.-Ing. Ulrich DILTNEY

ISF-RWTH Aachen University, Germany  
President, International Institute of Welding (IIW)

Mr. Ernest D. LEVERT

Senior Staff Manufacturing Engineer, Lockheed Martin Missiles and Fire Control-Dallas  
Chairman Commission IV (Power Beam Processes), International Institute of Welding

Prof. Dr. LU Bingheng

Xi'an Jiaotong University, China  
Member, Chinese Academy of Engineering (CAE)

## **Member of the Consulting Commission**

Prof. LIN Shangyang

Harbin Welding Research Institute, China  
Member, Chinese Academy of Engineering (CAE)

Prof. SONG Tianhu

Vice-President, Chinese Mechanical Engineering Society

Prof. Dr. CHEN Qiang

Dean, Department of Mechanical Engineering, Tsinghua University, China  
Vice-President, International Institute of Welding (IIW)  
Vice-President, Chinese Welding Society

Prof. Dr. WU Yixiong

School of Materials Science & Engineering, Shanghai Jiaotong University,  
Vice-President, Chinese Welding Society  
Member of Technical Management Board, IIW

Prof. WU Lin

Harbin Institute of Technology

Prof. WANG Guobiao

National Natural Science Foundation of China

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## **Conference Secretariat**

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**Your participation is valued and appreciated. Should you have questions please email us at: [pbpt\\_bamtri@yahoo.com.cn](mailto:pbpt_bamtri@yahoo.com.cn)**



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## TENTATIVE SCHEDULE

Oct. 25	All Day	Registration
Oct. 26	8 : 30~9 : 00	Opening Ceremony (Introduction and Welcome)
	9 : 00~18 : 00	Invited Lectures (~8 speakers)
	18 : 10~	Welcome Banquet
Oct. 27	8 : 30~17 : 00	Presentations in 3 Sessions
	18 : 30~	Performance (the National Grand Theater of China)
Oct. 28	8 : 00~12 : 00	Technical visit to Beijing Aeronautical Manufacturing Technology Research Institute (BAMTRI)
Oct. 28 ~ 29	For registered visitors	Sightseeing tours: the Great Wall the Forbidden City Summer Palace Olympic Games facilities: Water Cube and Bird's Nest

Notice: The schedule for the accompanying persons will be arranged separately.