

## **First Circular and Call for Papers**

### **The 8<sup>th</sup> International Symposium on Gas Cleaning at High Temperatures**

Hosted by

**Institute of Coal Chemistry, Chinese Academy of Sciences**

**State Key Laboratory of Coal Conversion**

**August 23-25, 2010**

**Taiyuan, Shanxi, China**

### **Call for Papers**

The 8<sup>th</sup> International Symposium on Gas Cleaning at High Temperature (GCHT-8) will be hosted by the Institute of Coal Chemistry, Chinese Academy of Sciences and will be held in Taiyuan, the coal capital city of China, from August 23 to 25, 2010. A technical tour will be arranged to 160 kt/a F-T synthesis demonstration plant in Changzhi on August 25, 2010.

The organizing committee of GCHT-8 cordially invites all colleagues who are active and interested in the fields listed below to contribute to the conference. All the participants who wish to attend the conference and present their papers are invited to complete and return the Reply Form and submit the Abstract to [GCHT-8@sxicc.ac.cn](mailto:GCHT-8@sxicc.ac.cn) by January 15, 2010.

You may also download the Reply Form and Abstract Template from the conference website: <http://sklcc.sxicc.ac.cn/gcht-8/>.

### **Topics**

The symposium covers recent research and developments and represents trends on gas cleaning, particulate removal, and ash behaviour control for:

- High efficiency coal and fossil fuel power generation systems
- Biomass and solid waste combustion and gasification
- Mobile sources such as diesel vehicles

Special sessions will focus on new environmental challenges associated with “hot” and “warm” gas cleaning:

- Emissions of particulates (PM<sub>2.5</sub>/10), mercury and other trace elements
- Emission control by dry scrubbing/absorbents and catalytic conversion
- CO<sub>2</sub> capture and utilization
- Removal of SO<sub>2</sub> and NO<sub>x</sub> from flue gas

Other specific topics include:

- Sources, formation mechanisms, properties and measurement of particulate and gaseous components

- Influence of particle properties, gas composition and operating conditions on dust collection process, cake structure and regeneration of filter media
- Materials, structure, properties and testing of filter media
- Operating experience in the process industries or advanced power generation
- Gas cleaning and separation for fuel cells and other advanced power generation systems
- Impact of new trends or policies in advanced power generation or industrial processes on hot gas cleaning technology

## **Language**

English is the official language of the Conference.

## **Committees**

GCHT-8 has an advisory board and technical committee to assist the organizing committee to develop the symposium and program, with membership as follows:

### **Chair**

- Prof. Jianguo Wang, Institute of Coal Chemistry, Chinese Academy of Sciences, China

### **Advisory board**

- Prof. Terry Wall, University of Newcastle, Australia
- Prof. Kechang Xie, Taiyuan University of Technology, China
- Dr. Hisao Makino, CRIEPI, Japan
- Prof. Klaus R. G. Hein, Universität Stuttgart, Germany
- Prof. Masayuki Horio, Tokyo University of Agriculture and Technology, Japan
- Prof. Jonathan P. K. Seville, University of Birmingham, UK
- Prof. Adel F. Sarofim, University of Utah and REI, USA
- Prof. Weidou Ni, Tsinghua University, China
- Prof. Chikao Kanaoka, Ishikawa National College of Technology, Japan
- Prof. Gerhard Kasper, University of Karlsruhe, Germany
- Prof. Esko I. Kauppinen, VTT, Finland
- Prof. Dong-ke Zhang, University of Western Australia, Australia
- Prof. Jost Wendt, University of Utah, USA

### **Technical Committee**

- Dr. Steve Benson, EERC, USA
- Prof. Rajender Gupta, University of Alberta, Canada
- Prof. Hidehiro Kamiya, Tokyo University of Agriculture and Technology, Japan
- Prof. Fuchen Wang, East China University of Science & Technology, China
- Mr. Juhani Isakson, Kvaerner Power Oy, Finland
- Dr. Takashi Kiga, IHI Co. Ltd., Japan

- Dr. Graham Reed, cLET, Australia
- Dr. Xiaofeng Guan, Southern Company Services, USA
- Prof. Masahiko Matsukata, Waseda University, Japan
- Dr. Jorg Meyer, University of Karlsruhe, Germany
- Prof. Qiang Yao, Tsinghua University, China
- Prof. Behdad Moghtaderi, University of Newcastle, Australia
- Prof. Hiroshi Moritomi, Gifu University, Japan
- Prof. Ichiro Naruse, Toyohashi University of Technology, Japan
- Prof. Zhenyu Liu, Beijing University of Chemical Technology, China
- Prof. Peter Nelson, Macquarie University, Australia
- Prof. Zhongyang Luo, Zhejiang University, China
- Prof. Yoshihiko Ninomiya, Chubu University, Japan
- Prof. Baoqin Li, Institute of Coal Chemistry, CAS, China
- Prof. Yang Wang, Institute of Coal Chemistry, CAS, China
- Prof. Yitian Fang, Institute of Coal Chemistry, CAS, China
- Prof. Piero Salatino, Universita degli Studi di Napoli "Federico II", Italy
- Dr. Connie Senior, REI Research Electronics International, USA
- Dr. Lesley Sloss, IEA Clean Coal Centre, UK
- Prof. Georg Schaub, University of Karlsruhe, Germany
- Prof. Jianglong Yu, School of Power and Energy Engineering, Shenyang Institute of Aeronautical Engineering, China
- Prof. Guogang Sun, University of Petroleum, Beijing, China

#### **Organizing Committee**

- Prof. Wen Li, Institute of Coal Chemistry, CAS, China
- Prof. Jicheng Bi, Institute of Coal Chemistry, CAS, China
- Prof. Zhangfen Qin, Institute of Coal Chemistry, CAS, China
- Prof. Jianli Yang, Institute of Coal Chemistry, CAS, China
- Prof. Yizhuo Han, Institute of Coal Chemistry, CAS, China
- Prof. Fan Li, Taiyuan University of Technology, China
- Prof. Jianglong Yu, School of Power and Energy Engineering, Shenyang Institute of Aeronautical Engineering, China
- Dr. Jiantao Zhao, Institute of Coal Chemistry, CAS, China
- Dr. Zhanggen Huang, Institute of Coal Chemistry, CAS, China
- Ms. Li Yang, Institute of Coal Chemistry, CAS, China

#### **Registration**

Persons who plan to attend the GCHT-8 are kindly suggested to respond by returning the Reply Form to the secretariat of GCHT-8 either by regular mail or via e-mail prior to January 15, 2010.

**Registration fee:** For early registration before May 31, 2010, the registration fee is US\$600 for regular attendees, US\$350 for students, and US\$200 for accompanying persons. For late registration after May 31, 2010, registration fee will be US\$700 for regular attendees, US\$400 for students, and US\$250 for accompanying persons. Single day attendance will be charged at US\$400 per person. The registration fees for regular and student attendees cover the scientific sessions, proceedings, welcome reception, banquet, coffee breaks, and technical tour. The registration fee for accompanying persons covers the welcome reception, banquet, coffee breaks, and technical tour but excludes scientific sessions and proceedings. Payment details will be informed in the second circular.

### **Important Dates:**

Deadline for Abstract Submission: January 15, 2010;  
Notification of acceptance: February 10, 2010;  
Submission of manuscript: April 01, 2010;  
Comments returned to authors: May 01, 2010;  
Deadline for early registration: May 31, 2010;  
Dead line for final manuscript submitted: June 15, 2010;  
Symposium: August 23–25, 2010.

### **Publication**

A symposium proceeding including the final program and abstracts and a CD containing the final full papers will be provided to the regular and student participants. Selected papers will be published in a special issue of FUEL journal after the symposium based on the results of peer reviewing.

### **Technical Tour**

A technical tour will be arranged to visit the 160 kt/a F-T synthesis demonstration plant in Changzhi on 25<sup>th</sup> August, 2010 and will be free for all the registered participants. Details will be announced in the second circular.

### **Second Circular**

Further information about the symposium schedule, presentation time, hotel reservation, local transportation, registration method, technical tour and tourism information will be distributed by mail to those who submit the Reply Form. More information will be available on the symposium website at <http://sklcc.sxicc.ac.cn/gcht-8/>.

The 8<sup>th</sup> International Symposium on  
 Gas Cleaning at High Temperatures  
 Tel.: +86 351 4134410  
 Fax: +86 351 4050320  
 E-mail: GCHT-8@sxicc.ac.cn  
<http://sklcc.sxicc.ac.cn/gcht-8/>



## Reply Form

<b>Title</b>	<input type="checkbox"/> Prof. <input type="checkbox"/> Dr. <input type="checkbox"/> Mr. <input type="checkbox"/> Ms. <input type="checkbox"/> Ph.D Student <input type="checkbox"/> M. Student		
<b>Name</b>	<b>First Name</b>		
	<b>Family Name</b>		
<b>Affiliation</b>			
<b>Address</b>	Street: City: State: Zip Code: Country:		
<b>E-mail</b>			
<b>Phone</b>		<b>Fax</b>	
(1) I will like to attend the symposium. <input type="checkbox"/> Yes <input type="checkbox"/> No			
(2) I will like to contribute a presentation. <input type="checkbox"/> Oral <input type="checkbox"/> Poster <input type="checkbox"/> None			
The Title of my presentation is:			
Author and co-authors:			
(3) I need an official letter to apply for Chinese VISA. <input type="checkbox"/> Yes <input type="checkbox"/> No			
(4) I will like to take the technical tour. <input type="checkbox"/> Yes <input type="checkbox"/> No			
(5) Number of accompanying persons: _____ person			
<input type="checkbox"/> Mr. <input type="checkbox"/> Ms.   First Name: _____ Family Name: _____			
<input type="checkbox"/> Mr. <input type="checkbox"/> Ms.   First Name: _____ Family Name: _____			

Note: Please circle or tick your selection and provide other details.



**8<sup>th</sup> International Symposium on Gas Cleaning at High Temperatures**

<http://sklcc.sxicc.ac.cn/gcht-8/>

### **Guidelines for Abstract Submission**

Abstract length: Acceptance of the paper will be based on ONE PAGE abstract including the contact information. The abstract should be submitted by email to [GCHT-8@sxicc.ac.cn](mailto:GCHT-8@sxicc.ac.cn) before January 15, 2010. The abstract should NOT include graphics or tables.

Editing software: Microsoft Word

Paper size: A4.

Margins: Left, right 2.54 cm, top 1.27 cm, bottom 1.27 cm.

Indentations: Please do not use any tabs or indentations.

Font: All text must be Times New Roman 10 point.

Footers: PLEASE DO NOT INSERT ANY HEADERS, FOOTERS, OR FOOTNOTES FOR ABSTRACT.

Title: Title must be boldface, 10 point, all caps and centered.

Presenting author: Boldfaced, italicized and centered. List contact information directly under the authors name, title, and affiliation.

Co-authors: Non-boldfaced, italicized and centered. List contact information directly under the authors name, title, and affiliation.

The following is a Template of Abstract.

**8<sup>th</sup> International Symposium on Gas Cleaning at High Temperatures (GCHT-8), Taiyuan, Shanxi, China**

**August 23-25, 2010**

**Abstract Submission**

**Title: (CENTERED, TIMES NEW ROMAN, BOLD, ALL CAPS, 10 POINT)**

*Presenting Author (Name, Title and Affiliation)*

*Contact Information:*

*(Centered, Times, Bold, 10 point, italicized)*

*Co-Authors (Name, Title and Affiliation)*

*Contact Information:*

*(Centered, Times, 10 point, italicized)*

**Preferred presentation:** [Oral / Poster]

**Abstract:** (Times New Roman, 10 point, No indentations, No footnotes, Abstract text)

**Keywords:** No more than 6 key words, Times New Roman, 10 point.