

**The 2<sup>nd</sup> Announcement**  
**International Symposium on Biochar Research, Development and Application**  
(October 10–15, 2011, Nanjing, China)

***Background***

It is urgent to find solutions to combat global warming and atmospheric greenhouse gases (mainly CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O) concentration increase. The discovery that the soil with biochar is more fertile than the adjacent soil without biochar by the archaeological work in the central Amazon basin, Brazil, stimulates the scientists' interests in utilizing biochar as soil amendment as well as global warming mitigation practice. Biochar is a product from pyrolysis of biomaterial under no oxygen or very low oxygen condition. Some researches have found that biochar decomposes very slowly, can stimulate plant growth, decrease greenhouse gases emission and reduce farmland nutrient losses. Based on these pioneering researches, the addition of biochar into the soil is considered as one of the most potential and cheaper straightforward ways to enhance the biogenic sequestration of atmospheric CO<sub>2</sub> and, hence, to mitigate climate changes. However, the widespread application of biochar is still facing compelling challenge to provide stronger evidence on the pyrolysis techniques, biochar standard, mitigation potential to atmospheric greenhouse gases and regional suitability.

Biochar is with high specific surface area, rich functional groups and macro-micro pore structures. Its application will play important roles on the supply and maintenance of nutrients and water, soil structure stability, bioavailability and degradation of heavy metals and organic pollutants.

An international symposium focusing on **Biochar Research, Development and Application** will be held in Nanjing, China, from October 10–15, 2011. The main objective of this symposium is to provide a platform for international and domestic experts to exchange findings, to discuss problems and to build cooperations.

***Major Themes***

- plant growth and nutrient cycling
- carbon turnover, sequestration potential and greenhouse gases mitigation
- organic pollutant degradation and no-point pollution mitigation
- biochar production and new products
- biochar standard
- integrated evaluation of economics, environment and social benefits

***Scientific Committee:***

**Zhao Qiguo**, professor, academician of Chinese Academy of Science, the Institute of Soil Science, Chinese Academy of Sciences.

**James E. Amonette**, senior researcher IV, Pacific Northwest National Laboratory, USA.

**Annette L. Cowie**, professor, University of New England, Australia.

**Per Ambus**, professor, Technical University of Denmark.

**Saran P. Sohi**, Dr. Associate professor, University of Edinburgh, UK.

**Foster A. Agblevor**, Dr. professor, Utah State University, USA.

**Nobuhisa Koga**, Senior Researcher, Hokkaido Agricultural Research Center, Japan.

**Debbie Reed**, Executive Director, International Biochar initiative, USA.

**Keipie Wilson**, Program Development director, International Biochar initiative, USA.

**Lin Xiangui**, Professor. Institute of Soil science, Chinese Academy of sciences.

**Jiang Xin**, Professor, Institute of Soil Science, Chinese Academy of Sciences.

### ***Organizing Committee:***

**Chairman:** Zhou Jianming, Professor, President of Nanjing Branch of the Chinese Academy of Sciences, Deputy-chairman of Political Consultative Conference of Jiangsu Province.

**Vice Chairman:** Shen Renfang, Professor, General director of the Institute of Soil Science, Chinese Academy of Sciences.

**Vice-chairman:** Xiao Yunhan, Professor, General director of the Research Center of Clean Energy and Power, Chinese Academy of Sciences

**Vice Chairman:** Zhang Jiqiang, vice-president of the Blue Moon Fund, USA.

**Vice Chairman:** Jin Jiaman, Executive director of the Global Environment Institute

**Secretary-general:** Xie Zubin, Professor, the Institute of Soil Science, Chinese Academy of Sciences

**Deputy Secretary-general:** Li Zhongpei, Professor, the Institute of Soil Science, Chinese Academy of Sciences.

**Deputy Secretary-general:** Sun Bo, Professor, the Institute of Soil Science, Chinese Academy of Sciences.

**Deputy Secretary-general:** Xu Renkou, Professor, the Institute of Soil Science, Chinese Academy of Sciences.

**Deputy Secretary-general:** Peng Xinhua Professor, the Institute of Soil Science, Chinese Academy of Sciences.

### ***Members of organizing committee***

Lin Qimei, professor, China Agricultural University

Wu Weixiang, Professor, Zhejiang University

Li Xinqing, Professor, Environmental Geochemistry, Institute of Geochemistry Chinese Academy of Sciences

Zhong Zheke, Professor, Bamboo Center of the Forest Bureau of China

Wang Senqiang, Professor, the Institute of Soil Science, Chinese Academy of Sciences.

Sun Bo, Professor, the Institute of Soil Science, Chinese Academy of Sciences.

Xu Renkou, Professor, the Institute of Soil Science, Chinese Academy of Sciences

Peng Xinhua Professor, the Institute of Soil Science, Chinese Academy of Sciences.

Xie Zubin, Professor, the Institute of Soil Science, Chinese Academy of Sciences.

### ***Submission of Abstracts***

The abstract (300 to 500 words) should be written in English in Microsoft Word format and be sent in electronic format via email [ycyu@issas.ac.cn](mailto:ycyu@issas.ac.cn) by no later than Aug. 31, 2011. Please include the following information in the manuscripts: Presentation title, Author's full name, Organisation, Mailing and E-mail address, and Telephone number. Please find details in attached file.

### ***Language***

The official language of the symposium will be English.

### ***Registration Fee***

US\$ 300 for the scientists outside of mainland of China, including proceedings, meals during the conference.

900 RMB yuan for scientists, and 500 RMB yuan for student from the mainland of China.

### ***Host organizations***

State Key Laboratory of Soil and Sustainable Agriculture, Institute of Soil Science, Chinese Academy of Sciences

Research Center of Clean Energy and Power, Chinese Academy of Sciences

## **Sponsors**

Natural Science Foundation of China

State Key Laboratory of Soil and Sustainable Agriculture, Institute of Soil Science, Chinese Academy of Sciences

Research Center of Clean Energy and Power, Chinese Academy of Sciences

Blue Moon Fund

## **Hotel:**

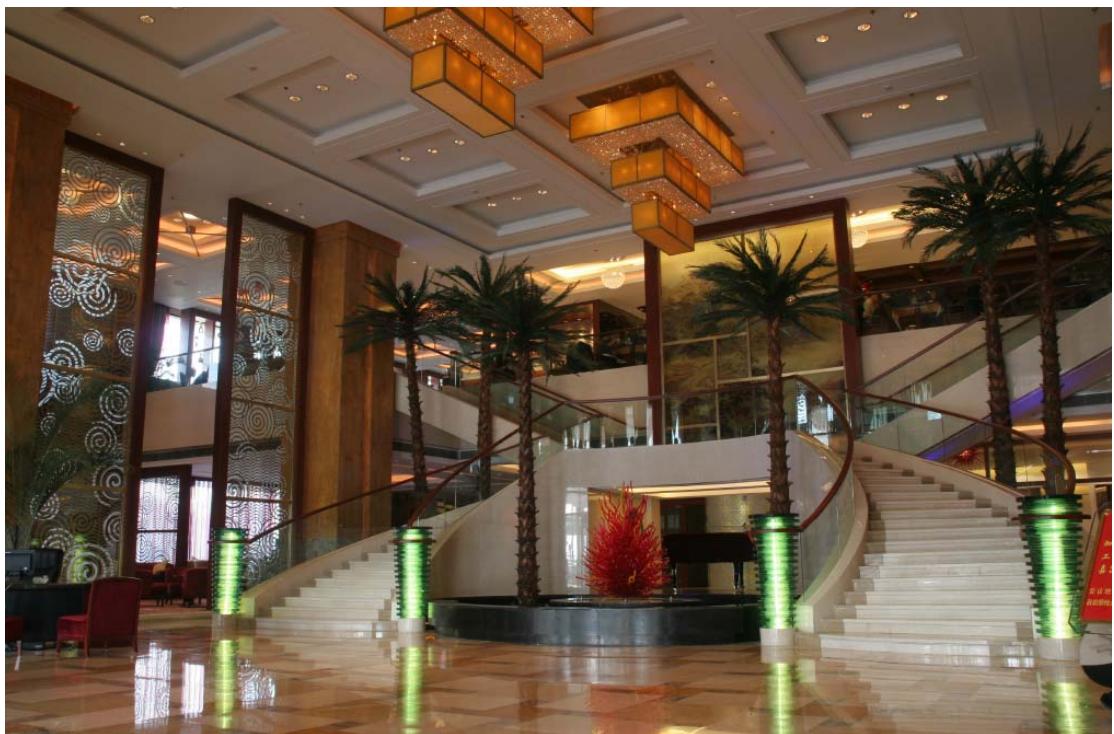
**Suguang international Hotel (4 stars, [www.sghotelgroup.com](http://www.sghotelgroup.com)) located at the Xuanwu lake and nearby Nanjing Railway Station.**

**Price: daily 360 RMB/double beds room**

**Add: No. 107, Longpan Road, Nanjing, 210037.**

## **Map:**





***Transportation:***

400m from Nanjing Railway Station.

15km from Nanjing South Railway Station. Taxi about 40 RMB. Subway line 1 to Nanjing railway station, then walk 400m.

50km from Nanjing Lukou international airport, Taxi about 140 RMB. Shuttle Bus 25 RMB to Nanjing Railway Station, walk 1km

## **Agenda:**

**2011.10.10 Registration**

**2011.10.11**

**8:30--9:00 Opening ceremony**

**9:00--9:30 Keynote presentation (Academician Qiguo Zhou)**

**9:30--9:50 Prensentation 1.**

**9:50--10:10 Photo taking, tea break.**

**10:10--10:40 Keynote (Prof. Annette Cowie)**

**10:40--11:00 Prensentation 2**

**11:00--11:20 Prensentation 3**

**11:20--11:40 Prensentation 4**

**11:40--12:00 Prensentation 5**

**12:00--13:30 Lunch**

**13:30—14:00 Keynote (Prof. Jianmin Zhou)**

**14:00—14:20 Prensentation 6**

**14:20—14:40 Prensentation 7**

**14:40--15:00 Prensentation 8**

**15:00—15:20 Tea break**

**15:20-15:50 Keynote (Associate Prof. Saran Sohi)**

**15:50-16:10 Prensentation 9**

**16:10-16:30 Prensentation 10**

**16:30-16:50 Prensentation 11**

**16:50-17:10 Prensentation 12**

**17:10-17:30 Prensentation 13**

**17:30-18:00 Prensentation 14**

**18:00 Banquet**

**2011.10.12**

**8:30-9:00 Keynote (Prof. Per Ambus)**

**9:00-9:30 Keynote (Prof. Nobuhisa Koga)**

**9:30-9:50 Prensentation 15**

**9:50-10:10 Prensentation 16**

**10:10-10:30 Tea break**

**10:30-11:00 Keynote(Prog. Director, Keipie Wilson)**

**11:00-11:20 Prensentation 17**

**11:20-11:40 Prensentation 18**

**11:40-12:00 Prensentation 19**

**12:00--13:30 Lunch**

**13:30—14:00 Keynote (Prof. James E. Amonette)**

**14:00—14:20 Prensentation 20**

**14:20—14:40 Prensentation 21**

**14:40--15:00 Prensentation 22**

**15:00—15:20 Teabreak**

**15:20-15:50 Keynote (Prof. Foster Agblevor)**

**15:50-16:10 Prensentation 23**

**16:10-16:30 Prensentation 24**

**16:30-16:50 Prensentation 25**

**16:50-17:10 Prensentation 26**

**17:10-17:30 Prensentation 27**

**17:30-18:00 Prensentation 28**

**18:00 Dinner**

#### ***Field trip***

Oct. 13 morning: Jiangdu experimental station.

Oct. 13 afternoon -15 afternoon. Optional field trip: Huang Shang Mountain, and

Hong Cun world Cultural Heritage. 1240 RMB/person.

### **Return Receipt**

(Please send back by E-mail before Aug. 31, 2010)

<b>Name</b>		<b>Sex</b>	<input type="checkbox"/> male <input type="checkbox"/> female
<b>Speciality</b>		<b>Title</b>	
<b>Organization</b>			
<b>Mailing Address</b>			
<b>E-mail</b>			
<b>Presentation form</b>	Oral ( <input type="checkbox"/> )	Poster ( <input type="checkbox"/> )	
<b>Presentation title</b>			
<b>Optional sightseeing</b>	Yes ( <input type="checkbox"/> )	No ( <input type="checkbox"/> )	