



# International Conference on Biomass-Energy Technologies (ICBT2012)

October 22-24, 2012  
Nanjing • China

With the development of global industrialization, the world is facing an energy crisis and increasing environmental pressures resulting from fossil energy use. In recent years biomass energy has been becoming one of the most important components of the sustainable energy systems due to its abundance and renewability. Biomass energy has attracted great interests in research, development, and technology deployment. In order to promote biomass energy research and development and information exchange, the International Conference on Biomass and Energy Technologies (ICBT2012), sponsored by the Chinese Renewable Energy Society (CRES), Chinese Academy of Forestry (CAF), The American Institute of Chemical Engineers (AIChE) and Strategic Alliance of Biomass Liquid Fuels Industry Technology Innovation will be held on October 22–24, 2012 in Nanjing, China.

The ICBT2012 aims to provide a communication and exhibition platform for researchers, developers and entrepreneurs in the biomass energy field. The anticipated participants will include not only renowned experts, researchers, and government agency people, but also company executives and professionals in project investment and development, from Asia, Europe, and the United States. During the conference the participants will discuss and exchange their ideas on novel technologies of biomass energy technologies and commercialization in order to facilitate collaborative research on biomass energy between China and other countries. The conference will provide a pathway of new development opportunities in biomass energy for researchers, developers and entrepreneurs.

## Conference topics

<p><b>(1) Biomass feedstock</b></p> <ul style="list-style-type: none"> <li>• Woody biomass</li> <li>• Algae and microorganisms</li> <li>• Municipal solid waste (MSW)</li> <li>• Biomass utilization assessments</li> </ul>	<p><b>(2) Biochemicals and Bioproducts</b></p> <ul style="list-style-type: none"> <li>• Biomaterials</li> <li>• Biobased chemicals</li> <li>• Biobased products</li> </ul>
<p><b>(3) Biomass to liquid fuels</b></p> <ul style="list-style-type: none"> <li>• Ethanol</li> <li>• Biodiesel</li> </ul>	<p><b>(4) Biomass power</b></p> <ul style="list-style-type: none"> <li>• Biomass combustion</li> <li>• Biomass gasification</li> </ul>

<ul style="list-style-type: none"> <li>• Biomass pyrolysis</li> <li>• Gasification synthesis</li> </ul>	<ul style="list-style-type: none"> <li>• Biogas applications</li> <li>• Biomass hydrogen</li> <li>• Biomass combined heat and power (CHP)</li> <li>• MSW incineration and power generation</li> </ul>
<p><b>(5) Kinetics and Chemical Reaction Engineering of Biorefinery Processes</b></p> <ul style="list-style-type: none"> <li>• Kinetics of thermo-chemical conversion of biomass</li> <li>• Enzymatic hydrolysis</li> </ul>	<p><b>(6) Biomass preprocessing and down-stream processing</b></p> <ul style="list-style-type: none"> <li>• Biomass densification</li> <li>• Separations and purifications in Biorefinery Processes</li> <li>• Biomass energy commercialization</li> </ul>

## Sponsors and supports

Chinese Renewable Energy Society(CRES)

Chinese Academy of Forestry(CAF)

American Institute of Chemical Engineers (AICHE)

Strategic Alliance of Biomass Liquid Fuels Industry Technology Innovation

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Institute of Chemical Industry of Forest Products Chinese Academy of Forestry

Forest and Plant Bioproducts Division of AIChE

Biomass Energy Committee of CRES

International Academy of Wood

MOE Key Laboratory of Energy Thermal Conversion and control, southeast university

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## Main Programs:

The conference will run for three days and will consist of the following programs:

- Plenary and keynote sessions
- Oral presentations
- Poster presentations

## Working language:

The official language of the conference is English.

## Registration:

Registration should be made through website (<http://www.ICBT2012.com>)

### Registration Fees for ICBT2012

	On or before July 20, 2012	After July 20, 2012
Participant	USD 350	USD 400
Student	USD 200	USD 300

## Important Dates

Deadline for abstracts	March 20, 2012
Deadline for full paper	June 20, 2012
Deadline for preregistration	July 20, 2012
Conference dates	October 22–24, 2012

## Call for Papers

Potential conference participants are invited to submit abstracts for oral or poster presentations no later than **March 20, 2012**. Full papers should be submitted by June 20, 2012. All papers must be written in

English and will be reviewed by the scientific committee of the Conference. All accepted papers will be published in the conference proceedings .The selected papers will be published in the **BioEnergy Research (BRER)** ,a SCI journal indexed by 20 SCI and EI databases . Authors will be notified if their contribution is accepted by **September 1, 2012**. Further information about papers or poster formats can be found at the ICBT2012 website.

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