



China International Bio-Energy Conference & Expo 2014

With the gradual running out of fossil fuel and increasing deterioration of biological system, countries around the world especially super power counties put the development of new energy and renewable energy as the focus of new round industry development to increase the investment and enhance the progress. Biomass as the only format of fuel which could be transformed in the form of gasification, liquidation, solidification is a dual clean use renewable resources which has aroused the attention of numerous countries around the world. The State Council has made plans to adjust the structure of energy, increased the application of clean energy, controlled the consumption of coal and weeded out small coal burning boilers in September, 2013. The Chinese government had a conference of urbanization claiming that new urbanization should insist ecological civilization and focus on the green development, recycling development, low carbon development and air population which had been put forward. In Key Area Air Population Prevention of The Twelfth Five-Year Plan, it suggests increasing the application of biomass briquettes fuel. A series of policies, such as, Biomass Energy Heating Project Construction Technology Guideline, The Notice of Investigating and Evaluating Biomass Energy Heating Potentiality, National Urban Domestic Garbage Bio-Safety Disposal Construction Guideline of The Twelfth Five-Year Plan and National Urban Sewage Treatment Recycling Facilities Construction Guideline of The Twelfth Five-Year Plan, bring great opportunities for the development of bio-energy in China.

With the support of National Development and Reform Commission, National Energy Administration, Ministry of Environmental Protection, Ministry of Science and Technology, Ministry of Finance, etc, the Chinese bio-energy has made increasing progress, the scale has been enlarged, the technology has been improved, the industry system has been built, the domestic marketing has been expanded and the competitiveness of bio-energy has been promoted. At present, there're dozens of newly established companies from the biomass



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methane industry, biomass heating industry and biomass power generation industry, some of their sales is about a few hundred million and even billions of RMB. The Chinese bio-energy companies are developing rapidly and longing for the management experience.

By the year 2015, biomass utilization will be more than 50 millions tones of standard coal annually. Therefore, it is potential for the marketing of bio-energy industry. It arouses great attention for the sustainable development and efficient utilization of bio-energy.

In order to promote the development of new situation and background, following the success of China International Bio-Energy Conference & Expo 2013, Chinese Renewable Energy Industries Association(CREIA), Biomass Energy Subcommittee of Chinese Renewable Energy Society, China National Renewable Energy Center(CNREC), Construction Industry Sub-Council of China Council for the Promotion of International Trade, Construction Industry Sub-Council of China Chamber of Intentional Commerce and Biomass Innovation Alliance will jointly organize the most authoritative communication platform – China International Bio-Energy Expo & Summit 2014 which will be held at Radisson Blu Hotel and China International Exhibition Center (Conference: Sep. 17~18) and is co-organized by Beijing Tiger Exhibition Co., Ltd. and Koelnmesse (China).

China International Bio-Energy Conference includes Thematic Forum, Sub-Forums and Denmark Forum, covering all the fields of bio-energy. The Thematic Forum will invite leaders from National Energy Administration, National Development and Reform Commission, Ministry of Agriculture, Ministry of Science and Technology, Ministry of Environmental Protection, etc. to attend the conference. Sub-Forum 1: Biomass Power Generation Sub-Forum (Including: The Policy Waste Incineration Power Generation, Methane Power Generation, Biomass Direct Combustion Power Generation and the Technology, Policy and Marketing of Biomass Power generation); Sub-Forum 2: Biomass Power Generation Sub-Forum (Including: Raw Materials Collecting and Shipment, Molding Technology, Furnace and Combustion Technology, Commercial Model, etc.) Sub-Forum 3: Biomass Fuel and



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Heating Sub-Forum (Including: Raw Materials Collecting and Pre-Disposal Technology, Large and Medium Biological Gas Engineering Technology and Equipment, Biogas Purification and Isolation Technology, Biomass Gasification Technology, etc.) Sub-Forum 4: Biomass Liquid Fuel Sub-Forum. (Including: Raw Materials Cultivation, Raw Materials Collection, Biological Synthesis Craft Process, Catalysis Technology, Biological Aviation and Automotive Bio-fuel, Poly-Generation Production and Isolation Technology, etc.)

The bio-energy in Denmark has a history of 40 years development experience, and has made lots of efforts in the fields of utilizing biomass and transforming waste to electricity and heating. Furthermore, Denmark has built a number of biomass energy supply station, it makes Denmark the leading biomass comprehensive utilization country in the world. Denmark Sub-Forum of China International Bio-Energy Conference & Expo 2014 will invite Denmark governments, scientific institutions, and companies in terms of sharing the guided policies, market tendency and the latest research achievements of technology, policy, market and classical projects. It's an international communication platform for the Chinese practitioners and Denmark practitioners and also a platform for Chinese companies who are interested in the technology and the related business opportunities of Denmark to communicate with the Denmark biomass practitioners and look for the cooperating opportunities.

Besides Denmark Pavilion, seven hundred representatives of thirty foreign representatives from Europe, US, Latin America, Asia and Southeast Asia communicate effectively and discuss the technology, policy, marketing, investment and financing, classical projects, etc and promote the development of bio-energy industry in China.

Organizer Committee

China International Bio-Energy Conference & Summit

May 28, 2014



China International Bio-Energy Conference and Expo Agenda 2014

Sep. 17 ~ 18, 2014.
Radisson Blu Hotel, Beijing

Agenda

Sep 17, Wednesday		
09:00 - 10:00 Opening Ceremony		
10:00 - 11:00 Keynote Speech I		
11:00 - 11:20 Tea Break		
11:20 - 12:30 Keynote Speech II		
12:30 - 14:00 Lunch		
14:00 - 15:30 Regional Bio-Energy Development, Policy, Market Strategic, Relevant Experience		
15:30 - 16:00 Tea Break		
16:00 - 17:30		
Sep 18, Thursday		
09:00 - 12:20		
Parallel Session I Biomass Power Generation	Parallel Session III Biomass Heating	Parallel Session IV Bio-Gas
12:20 - 14:00 Lunch		
14:00 - 17:30		
Parallel Session II Biological Liquid Fuel	Parallel Session III Biomass Heating	Parallel Session IV Bio-Gas

※ Simultaneous Interpretation



※ The Agenda will be updated in April 2014

Agenda Details

Content		Venue
Sep. 17, Wednesday		Radisson Blu Hotel
09:00 – 10:00 Opening Ceremony		
Welcome Message	Leader, China Electricity Council	
Opening Message	Leader, Resource Saving and Environmental Protection Department of National Development and Reform Commission Leader, National Energy Administration Leader, Ministry of Agriculture	
Foreign Message	Chairman, World Bioenergy Association Representative, Embassy of Royal Danish Embassy	
Keynote Speech Global Perspective Bioenergy Potential and Prospects:		
10:00-10:30	Meet Great Development – Spring of Bio-Energy Academician, Chinese Academy of Sciences Academician, Chinese Academy of Engineering	
10:30-11:00	The Enlightenment of Overseas Experience to China World Bioenergy Association	
11:00 - 11:20 Tea Break		
11:20 - 12:20 Keynote Speech: Global Status on Bio-Energy, Industry Development and Market Trend		
11:20-11:35	The Effect of Urbanization Process and New Rural Construction in Bio-Energy	
11:35-11:50	The Trade and Investment Situation of Global Bio-Energy	
11:50-12:05	The Biomass Analysis of the Policies in Major Countries	



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12:05-12:20	The Strategic Situation of Bio-Energy in Denmark
12:30 - 14:00 Lunch	

14:00 - 15:30	
Regional Bio-Energy Development : Policy, Market Strategic and Relevant Experience	
14:00-14:15	The Development Situation, Strategy and Challenge.
14:15-14:30	The Market Character and Investment Opportunity of Bio-Energy in America
14:30-14:45	The Development Strategy and Experience in Germany
14:45-15:00	The Current Development and Experience of Bio-Energy in U.K.
15:00-15:30	Q&A
15:30 - 16:00 Tea Break	
16:00 - 17:30	
Regional Bio-Energy Development : Policy, Market Strategic and Relevant Experience	
16:00-16:15	The Policy, Development Strategy and Experience of Bio-Energy in Brazil
16:15-16:30	The Development Strategy and Experience of Bio-Energy in Denmark
16:30-16:45	The Development Situation of Bio-Energy in India
16:45-17:00	The Development Strategy and Experience of Holland
17:00-17:15	The Development Strategy and Experience of Bio-Energy in Finland
17:15-17:30	Q&A

Special Session I: Biomass Power Generation

Content	Venue
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China International Bio-Energy Conference & Expo 2014

Sep 18, Thursday		Radisson Blu Hotel, Beijing
9:00 - 12:20		
Special Session I:		
Biomass Power Generation: Direct Combustion, Mixed Combustion and CHP		
9:00-9:15	The Problems and Situation of Biomass Direct Power Generation in China	
9:15-9:30	The Development Situation and Existing Main Problems of Waste Incineration Power Generation in China	
9:30-9:45	The Progress and the Application of Biomass Gasification Technology in China	
9:45-10:00	The Situation and Tendency of Methane Power Generation in China	
10:00-10:30	Q&A	
10:30 – 10:50 Tea Break		
10:50-11:05	The Primary Technology and Practical Application of Waste Disposal	
11:05-11:20	The Application and Experience of in Agricultural and Forestal Waste	
11:20-11:35	The Case Analysis and Experience of Waste Direct Combustion Power Generation in Japan	
11:35-11:50	The Efficient, Economic and Feasible of Biomass Disposal	
11:50-12:20	Q&A	
12:30 - 14:00 Lunch		

Special Session II: Biological Liquid Fuel

Content	Venue
Sep 18, Thursday	Radisson Blu Hotel, Beijing
14:00 - 17:30	
Special Session I	
Liquid Fuel: Fuel Ethanol	
14:00-14:15	The Development Situation and Application of Fuel Ethanol Industry
14:15-14:30	The Development of Fuel Ethanol Technology



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14:30-14:45	The Storage and Standard Detection of Fuel Ethanol
14:45-15:00	The Flexible and Intelligent Way of Using Biomass
15:00-15:30	Q&A
15:30 – 16:00 Tea Break Special Session II Liquid Fuel: Biodiesel	
16:00-16:15	The Development Situation and Technical Development of Global Biodiesel
16:15-16:30	The Development Situation and Technical Development of Biodiesel in China
16:30-16:45	The Analysis of Biodiesel Raw Material Suppliers
16:45-17:00	The Analysis of Biodiesel Cases
17:00-17:30	Q&A

Special Session III: Biomass Heating

Content		Venue
Sep 18, Thursday		Radisson Blu Hotel, Beijing
9:00 - 12:20 Special Session 1, Biomass Heating The Opportunity and Challenge of New Urbanization and Environmental Management		
9:00-9:15	The Market, Policy Situation and Advises of Biomass Solid Molding Fuel in China	
9:15-9:30	Biomass Heating, A Deeply Revolution	
9:30-9:45	The Detecting Test Standard and Quality Controlling of Domestic and Abroad Solid Biomass Fuel	
9:45-10:00	The Development Situation of Biomass Heating Stoves and Equipments	
10:00-10:30	Q&A	
10:30 – 10:50 Tea Break		



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10:50-11:05	The Development Situation and Problems of Crop Straw in China
11:05-11:20	The Case Analysis of Biomass Centralized Heating in Sweden
11:20-11:35	Biomass CHP and the Application of Briquettes Fuel in Denmark
11:35-11:50	The Development Situation and Tendency of Briquette Fuel in Southeast Asia
11:50-12:20	Q&A
12:20 - 13:30 Lunch	
13:30 - 15:20 Special Session II Biomass Heating The Exploration of Briquette Fuel Enterprises	
13:30-13:45	Successful Business Mode of Biomass Heating
13:45-14:00	The Application and Exploration of Equipment
14:00-14:15	The Problems of Biomass Briquettes Fuel Industry Chain and Industrialization
14:15-14:30	Biomass Combustion Pollution Controlling Technology
14:30-14:45	The Development Research of Biomass Heating Industry in China
14:45-15:20	Q&A
15:20 – 15:40 Tea Break	
15:40 - 17:30 Panel Discussion: The Problems and Advices of Briquettes Fuel Industry	
Topics	<ul style="list-style-type: none"> The Opportunities of Governing Haze Business Model of Biomass Heating The Cultivation of Biomass Heating Industry Chain The Standard System Construction, Quality Control and Sustainable Development of Solid Biomass Fuel Industry Key Problems and Solutions of Solid Biomass Fuel Molding Technology The Effective Cleaning Combustion Technology of Solid Biomass Fuel



Special Session IV: Biogas and Fuel

Content		Venue
Sep 18, Thursday a.m.		Radisson Blu Hotel, Beijing
9:00 - 12:20 Special Session I: Biomass Gas: Resource Evaluation, Raw Materials Collection and Pre-Disposal		
9:00-9:15	Methane Source Evaluation in China	
9:15-9:30	The Collection and Transportation of Raw Materials.	
9:30-9:45	The Pre-Disposal Technology of Poultry Excrement	
9:45-10:00	The Enlightenment of German's Raw Materials Pre-Disposal Technology to China	
10:00-10:30	Q&A	
10:30 – 10:50 Tea Break		
10:50 - 12:20 Special Session II: Biomass Gas: The Technology Development and Practice of Methane Project		
10:50-11:05	The Technology and Equipment of Effective Anaerobic Digestion	
11:05-11:20	the Detective Technology During the Application of Detective Technology	
11:20-11:35	The Problems During the Controlling Procedures of Anaerobic Digestion	
11:35-11:50	Industrial Organic Wastewater to Produce Biogas Technology and Case Analysis	
11:50-12:05	The Technology and Process Methane Project in Sweden	
12:05:-12:20	Q&A	
12:20 - 14:00 Lunch		
14:00 - 15:30 Special Session I Biomass Gas: Standard Policy and Background Potentiality		



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14:00-14:15	The Market Developing Situation, Main Problems and Policy Analyzing of Large Scale Methane Project
14:15-14:30	The Policy and Standard Construction of Methane in Germany
14:30-14:45	The Application Prospects of Natural Gas in Automotive Gas and Civil Gas
14:45-15:00	The Performance Standard of scaling up methane utilization in China
15:00-15:30	Q&A
15:30 – 16:00 Tea Break	
16:00 - 17:30 Special Session II Biomass Gas The Latest Technology and Case Analysis of Methane Gas Utilization	
16:00-16:15	The Technology and its Application of Methane Liquefaction
16:15-16:30	The Case Study of Large Scale Biogas Project in Chickenfarm
16:30-16:45	High-Performance Membrane Biogas Purification Technology
16:45-17:00	The Case Analysis of Landfill Gas Refining Purification
17:00-17:30	Q&A

Participation Fee:

Conference Representative: EUR 600

**Chinese Renewable Energy Industries Association Biomass
Energy Subcommittee of Chinese Renewable Energy Society
Construction Industry Sub-Council, CCPIT**

**Invitation of China International Bio-Energy
Expo & Summit 2014**

To the related parties and representatives:

With the gradually running out of fossil fuel and increasingly deterioration of biological system, countries around the world especially super power country put the development of new energy and renewable energy as the focus of new round industry development to increase the investment and enhance the progress. Biomass as the only format of fuel which could be transformed in the form of gasification, liquidation, solidification is a dual clean use renewable resources which has aroused the attention of numerous countries around the world.

By the year 2011, bio-energy heat utilization ability was 290 GW globally, which was 23% of renewable energy. Biomass heating in Europe meets 12.9% of the total demand of heating energy and 93% of renewable energy heating. Biomass power generation accounts for 16.85% of renewable energy power generation. Biomass provides 63.59% of combined heat and power generation (CHP). Many countries have set goals on the development of bio-energy and strengthened the status of bio-energy in energy system. The Chinese government also puts emphasis on the development of biomass as one field of renewable energy and put forward: During the 12th Five-Year Plan, our goal is to achieve the industrialization and high-value comprehensive utilization of biofuel technology industry. By the year 2015, biomass utilization will be more than 50 millions tones of standard coal annually. The State Council has made plans to adjust the structure of energy, increased the application of clean energy, and controlled the consumption of coal and weed out small coal burning boilers in September, 2013. The Chinese government had a conference of urbanization claims that new urbanization should insist ecological civilization, focuses on the green development, recycling development, low carbon development and air population which have been put forward. In Key Area Air Population Prevention of The Twelfth Five-Year Plan, it suggests increasing the application of biomass briquettes fuel. A series of policies, such as, Biomass Energy Heating Project Construction Technology

Guideline, The Notice of Investigating and Evaluating Biomass Energy Heating Potentiality, National Urban Domestic Garbage Bio-Safety Disposal Construction Guideline of The Twelfth Five-Year Plan and National Urban Sewage Treatment Recycling Facilities Construction Guideline of The Twelfth Five-Year Plan, bring great opportunities for the development of bio-energy in China.

With the support of National Development and Reform Commission, National Energy Administration, Ministry of Environmental Protection, Ministry of Science and Technology, Ministry of Finance, etc, the Chinese bio-energy has made increasing progress, the scale has been enlarged, the technology has been improved, the industry system has been built, the domestic marketing has been expanded and the competitiveness of bio-energy has been promoted. At present, there're dozens of newly established companies from the biomass methane industry, biomass heating industry and biomass power generation industry, some of their sales is about a few hundred million and even billions of RMB. The Chinese bio-energy companies is developing rapidly and longing for the management experience. Currently it is undeniable that there are still lots of difficulties and obstacles for bio-energy and controversies for its environmentally friendly and utilization potentiality. To eliminate these obstacles, build cooperation among technology, fiancé and market and promote the healthy development of bio-energy, Chinese Renewable Energy Industries Association(CREIA), Biomass Energy Subcommittee of Chinese Renewable Energy Society, China National Renewable Energy Center(CNREC), Construction Industry Sub-Council of China Council for the Promotion of International Trade, Construction Industry Sub-Council of China Chamber of Intentional Commerce and Biomass Innovation Alliance will jointly organize the most authoritative communication platform – China International Bio-Energy Expo & Summit 2014 which will be held at Radisson Blu Hotel and China International Exhibition Center (Conference: Sep. 17~18) and is co-organized by Beijing Tiger Exhibition Co., Ltd. and Koelnmesse (China).

The organizer committee will invite leaders of National Energy Administration, National Development and Reform Commission, Ministry of Agriculture, Ministry of Science and Technology, Ministry of Environmental Protection, etc. to attend the conference, introduce macroscopic policies, and state global industry situation and tendency. Industrial well-known enterprises will exhibit their new technology, new equipments, new products, and related bio-energy innovations. During the event, about 700 representatives from more than 30 countries and regions of industrial organizations, outstanding enterprises, industrial mainstream companies, academic authorities' experts, marketing analysis organizations, finance organizations and media representatives from US, Germany, Sweden, UK, Denmark, Holland, Norway, Brazil, Belgium, Malaysia, Indonesia, etc. will have effective and deep discussions and communications of the technology, policies, marketing, investment and financing and classical cases, etc in the field of biomass energy. It aims at searching for the further cooperation and win-win opportunities and promoting the global development of commercialization and large-scale.

Please check the appendix for the related conference and expo items.

Organizer Committee:

CREIA

Chinese Renewable Energy Industries Association

April 10, 2014



Biomass Energy Subcommittee of Chinese Renewable Energy Society

April 10, 2014



Construction Industry Sub-Council, CCPIT.

April 10, 2014