

SWST/ICBR International Convention

Held at International Centre For Bamboo and Rattan, No. 8,
Fu Tong Dong Da Jie, Wang Jing Area, Chao Yang District

北京欢迎你



August 27–31, 2012 | Beijing, China

Sustainable Development of Wood and Biomass in our New Global Economy

SUNDAY, AUGUST 26

- 18:00–19:00 Registration - IBR Tower Lobby
- 18:00–19:30 Dinner Buffet - 3rd Floor IBR Tower

MONDAY, AUGUST 27

- 07:00–09:00 Registration - IBR Tower Lobby

Overall Convention Session Co-Chair: Alain CLOUTIER, Université Laval, Canada and Benhua FEI, International Centre for Bamboo and Rattan, China

10:00–11:00 Opening Ceremony - 6th Floor ICBR Building (All Technical Sessions will be held here)

- 10:00–10:15 Opening remarks by Prof. Zehui JIANG
- 10:15–10:30 Opening remarks by Victoria HERIAN
- 10:30–10:40 Opening remarks by Prof. Alain CLOUTIER
- 10:40–10:50 Opening remarks by Mr. Scott SINDELAR - Agricultural Minister Counselor, U.S. Embassy and USDA Official
- 10:50–11:00 Opening remarks by Vice Minister of SFA Madame Yin Hong China
- 11:00–11:30 Group Photo of all participants of the convention (IBR Tower square)

11:30–13:30 Lunch - 3rd Floor IBR Tower

13:30–18:00 Global Trade—China's Impact on Global Forest Products Trade - Sessions Co-Chairs - Ed PEPKE, EU FLEGT Facility, Switzerland and Zhiyong LI, International Network for Bamboo and Rattan, China

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- 13:30–13:45 Opening Remarks - Ed PEPKE, Session Co-Chair, EU FLEGT Facility, Switzerland; Zhiyong LI, Session Co-Chair, International Network for Bamboo and Rattan, China
 - 13:45–14:05 Yanhong ZHANG, China State Forestry Administration, China
China's Forest Products Trade Policy and Its Global Impacts
 - 14:05–14:25 Ivan EASTIN, Cintrafor, University of Washington, USA
China's Impact on Global Forest Products Trade—Viewpoint from Abroad
 - 14:25–14:45 Weiming SONG, Beijing Forestry University, China
The Situation and Global Influence of Chinese Forest Product Trade

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MONDAY, AUGUST 27 *continued*

- 14:45–14:55 Discussion
- 14:55–15:10 Xiaozhi (Jeff) CAO, Seoul National University, Korea
Building Supply Chain for a Sustainable Future: Chinese Industry's Response to a Changing Regulatory Environment
- 15:10–15:25 Wenping SHI, The Pennsylvania State University, USA
The Effects of International Trade Show Marketing Strategies on Trade Show Performance in China
- 15:25–15:40 Zhiyong LI, International Network for Bamboo and Rattan, China
The Policy and Impacts on Green Public Procurement of Forest Products in China
- 15:40–15:50 Discussion
- 15:50–16:05 Coffee Break
- 16:05–16:20 Marius C. BARBU, University Transilvania Brasov, Romania
Developments of Wood Markets – Resizing of Timber Industry
- 16:20–16:35 Hasan Tezcan YILDIRIM, Istanbul University, Turkey
Turkish Wood Based Panel Industry: Future Raw Material Challenges and Suggestions
- 16:35–16:45 Discussion
- 16:45–17:00 Shengfu WU, China National Forest Products Industry Association and Green Panel Corporation, China
The Founding and Development of the Wooden Products
- 17:00–17:15 Jolanda JONKHART, Trade and Development Programme, INBAR, China
Topical Issues in the Bamboo Products Industries and Trade
- 17:15–17:30 Ed PEPKE, EU FLEGT Facility, European Forest Institute, Switzerland
Reducing Illegal Wood Trade: the European Union Forest Law Enforcement, Governance and Trade Action Plan Developments
- 17:30–17:45 Discussion
- 17:45–18:00 Closing Remarks - Ed PEPKE, Session Co-Chair, EU FLEGT Facility, Switzerland; Zhiyong LI, Session Co-Chair, International Network for Bamboo and Rattan, China

18:20–19:40 **Welcome Dinner - 3rd Floor IBR Tower**

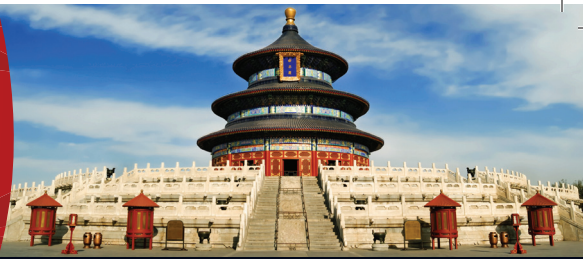
20:00 **Chinese Culture Performance - 6th Floor ICBR Building**

TUESDAY, AUGUST 28

- 08:00–11:30 **Energy and Carbon Issues - Sessions Co-Chairs - John (Jack) N. SADDLER, University of British Columbia, Canada; Fuliang CAO, Nanjing Forestry University, China**
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- 08:00–08:05 Opening Remarks - John (Jack) N. SADDLER, University of British Columbia, Canada; Fuliang CAO, Nanjing Forestry University, China
- 08:05–08:20 Fei WANG, Nanjing Forestry University, China
Bioenergy Research in Nanjing Forestry University
- 08:20–08:40 Wenshu LIN, Northeast Forestry University, China
A Life Cycle Assessment of Forest Carbon Balance and Carbon Emissions of Timber Harvesting in West Virginia, USA
- 08:40–09:00 Paul SMITH, Pennsylvania State University, USA
An Innovative Approach to Identify Regional Bioenergy Infrastructure Sites

schedule continues on next page

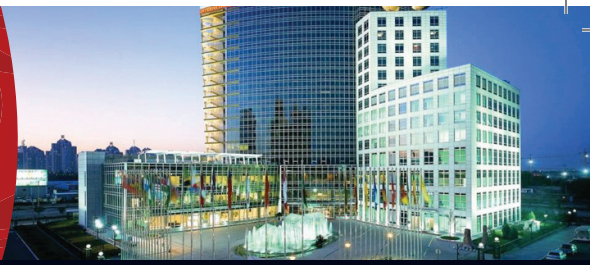
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TUESDAY, AUGUST 28 *continued*

- 09:00–09:20 Run-Cang SUN, Beijing Forestry University
Quantitative Structure and the Thermal Properties of Lignins Obtained from Residue after Hydrothermal Pretreatment
- 09:20–09:40 Stephen Jobson MITCHUAL, University of Education, Winneba, Ghana
Effect of Species, Particle Size and Compacting Pressure on Relaxed Density and Compressive Strength of Fuel Briquettes
- 09:40–10:00 Coffee Break
- 10:00–10:20 Zhiqiang LI, International Centre for Bamboo and Rattan, China
Ethanosolv Pretreatment of Bamboo with Dilute Acid for Efficient Enzymatic Saccharification
- 10:20–10:40 Jinguang HU, University of British Columbia, Canada
How Improved Enzymes Can Help us Evolve from a Hydrocarbon Based Economy to a Carbohydrate/Biomass Based Society! Improving the Enzymatic Hydrolysis of Cellulose
- 10:40–11:00 Jack SADDLER, University of British Columbia, Canada
How the Biorefinery Strategy Will Influence the Future of the Forest Products Sector and the Central Role that Bioenergy and Biofuels Will Play
- 11:00–11:25 Discussion
- 11:25–11:30 Closing Remarks, John (Jack) N. SADDLER, University of British Columbia, Canada; Fuliang CAO, Nanjing Forestry University, China
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- 11:30–13:30 **Lunch - 3rd Floor IBR Tower; SWST Business Meeting, Red Rattan Restaurant, 3rd Floor IBR Tower**
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- 13:30–17:00 **Development and Research in Bamboo and Other Agri Fibers - Sessions Co-Chairs - Salim HIZIROGLU, Oklahoma State University, USA; Yixing LIU, Northeast Forestry University, China**
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- 13:30–13:35 Opening Remarks - Salim HIZIROGLU, Oklahoma State University USA; Yixing LIU, Northeast Forestry University China
- 13:35–13:55 Dao Chun QIN, International Centre for Bamboo and Rattan, China
The Natural Antibacterial Property of Natural Bamboo Fiber and its Influencing Factors
- 13:55–14:15 Zhijia LIU, International Centre for Bamboo and Rattan, China
The Manufacturing Process of Bamboo Pellets
- 14:15–14:35 Ahmad Jahan LATIBARI, Islamic Azad University, Iran
Investigation on Production of Bleachable Chemi-Mechanical Pulp from Wheat Straw
- 14:35–14:55 Jie GAO, International Centre for Bamboo and Rattan, China
Effects of In Situ Deposited Calcium Carbonate Nanoparticles on Tensile Performance of Single Bamboo Fibers and Their Composites
- 14:55–15:15 Coffee Break
- 15:15–15:35 Marius C. BARBU, University Transilvania Brasov, Romania
Gluability of Bamboo vs. Coconut Palm for Panels Production
- 15:35–15:55 Cheng YONG, Nanjing Forestry University, China
Shear Strain Distribution of Bonding Interface in Ductile PF Bonded 2-ply Bamboo Sheet by the Method of Electronic Laser Speckle Interferometry
- 15:55–16:15 Weihong WANG, Northeast Forestry University, China
Agricultural Straw Reinforcing Polypropylene by Hot Pressing
- 16:15–16:55 Discussion

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TUESDAY, AUGUST 28

16:55–17:00 Closing Remarks - Salim HIZIROGLU, Oklahoma State University USA; Yixing LIU, Northeast Forestry University China

17:00–18:30 **Tour of Bamboo and Rattan Show Room** - INBAR Building, Ground Floor - Led by Jinhe FU

18:30–20:00 **Buffet Dinner** - 3rd Floor IBR Tower

WEDNESDAY, AUGUST 29

08:00–11:45 **Sustainable Resources for the Future - Sessions Co-Chairs** - Michael P. WOLCOTT, Washington State University, USA; Shirong LIU, Chinese Academy of Forestry, China

08:00–08:05 Opening Remarks - Michael P. WOLCOTT, Washington State University, USA; Shirong LIU, Chinese Academy of Forestry, China

08:05–08:25 Thomas GORMAN, University of Idaho, USA
Characterization of Juvenile Wood in Lodgepole Pine in the Intermountain West

08:25–08:45 Alain CLOUTIER, Université Laval, Canada
Radial Variation of Mechanical and Physical Properties of Black Spruce Cell Wall Determined by Nanoindentation and Silviscan

08:45–09:05 Shuqin ZHANG, International Centre for Bamboo and Rattan, China
Fundamental Properties of Masson Pine (*Pinus massoniana* Lamb). Wood from Plantation

09:05–09:25 Feng YANG, International Centre for Bamboo and Rattan, China
The Research on Biomass Corrugated Composites

09:25–09:45 Suyong HUANG, FPInnovations - Wood Products, Canada
Suitability of Short-Rotation Hem-fir for LVL Products

09:45–10:05 Coffee Break

10:05–10:25 Wending LI, Nanjing Forestry University, China
Influence of Compression Treatment on the Surface-Free Energy of Poplar Wood Calculated by Different Methods

10:25–10:45 Tatjana STEVANOVIĆ, Université Laval, Canada
Sustainable Chemistry in Wood Transformation

10:45–11:05 Jifu WANG, Institute of Chemical Industry of Forestry Products, China
Preparation and Characterization of Rosin-Based Polymeric Monomer

11:05–11:25 Richard D. BERGMAN, USDA, Forest Service, Forest Products Laboratory, USA
Life Cycle Inventory of Manufacturing Redwood Decking

11:25–11:40 Discussion

11:40–11:45 Closing Remarks - Michael P. WOLCOTT, Washington State University, USA; Shirong LIU, Chinese Academy of Forestry, China

11:45–13:30 **Lunch** - 3rd Floor IBR Tower

13:30–14:30 **Tour of ICBR Laboratories** – (Led by Dr. Yan YU)

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WEDNESDAY, AUGUST 29 *continued*

- 14:30–16:00** **Poster Session and Student Poster Competition (1st Floor of ICBR Building)** - Session Co-Chairs - Eva HAVIAROVA, Purdue University, USA; Ge WANG, International Centre for Bamboo and Rattan, China (Coffee served during Poster Session. See full poster program flyer for presenter details.)
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- 16:00–17:30** **Advanced Wood Processing I** - Sessions Co-Chairs - Charles BARNES, APA – The Engineered Wood Association, USA; Jianzhang LI, Beijing Forestry University, China
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- 16:00–16:05** Opening Remarks - Charles BARNES, APA – The Engineered Wood Association, USA; Jianzhang LI, Beijing Forestry University, China
- 16:05–16:25** Kevin CHEUNG, Western Wood Products Association, USA
Mid-rise Wood Frame Construction: Structural, Fire Safety, Environmental and Architectural Considerations
- 16:25–16:45** Xiaohuan WANG, Beijing Forestry Machinery Research Institute of State Forestry Administration, China
The Hygrothermal Performance of Wood Frame Wall System in Suzhou Lake Tai Climate Zone
- 16:45–17:05** Xiaoou HAN, Oregon State University, USA
From a Production Orientation to a Stakeholder Orientation: The Evolution of Marketing Sophistication in Private, Multi-site U.S. Sawmills
- 17:05–17:25** Yu WANG, Northeast Forestry University, China
Determination of Volatile Organic Compound Emissions from Wood-based Panel
- 17:25–17:30** Closing Remarks - Charles BARNES, APA – The Engineered Wood Association, USA; Jianzhang LI, Beijing Forestry University, China
- 18:00–19:30** **Buffet Dinner** - 3rd Floor IBR Tower

THURSDAY, AUGUST 30

- 08:00–11:45** **Advanced Wood Processing II** - Sessions Co-Chairs - Heiko THÖMEN, Bern University of Applied Sciences, Switzerland; Jianxiong LV, Chinese Academy of Forestry, China
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- 08:00–08:05** Opening Remarks - Heiko THÖMEN, Bern University of Applied Sciences, Switzerland; Jianxiong LV, Chinese Academy of Forestry, China
- 08:05–08:25** Yanjun XIE, Northeast Forestry University, China
Mechanical Properties of Chemical Modified Wood: A Review
- 08:25–08:45** Todd F. SHUPE, Louisiana State University AgCenter, USA
Rapid Microwave-Assisted Acid Extraction of Metals from Chromated Copper Arsenate (CCA) - Treated Southern Pine Wood
- 08:45–09:05** Rastislav LAGAÑA, Technical University in Zvolen, Slovakia
Quality of Beech Standing Trees Related to Properties of Structural Timber
- 09:05–09:25** Milan SERNEK, University of Ljubljana, Slovenia
Liquefied Wood as an Adhesive
- 09:25–09:45** Minghui ZHANG, Inner Mongolia Agricultural University, China
Water in Wood Studied by Time-domain NMR
- 09:45–10:05** Coffee Break
- 10:05–10:25** Jun-Ho PARK, Seoul National University, Korea
Analysis of Heat and Moisture Transfer in a Center-Bored Timber whose Outer Surface is Sealed

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THURSDAY, AUGUST 30 *continued*

- 10:25–10:45 Douglas J. GARDNER, University of Maine, USA
Nanotechnology Applications in Forest Products: Current Trends
- 10:45–11:05 Yan YU, International Centre for Bamboo and Rattan, China
Mechanical Characterization of Wood-Adhesive Interphase with an Improved Nanoindentation Technique
- 11:05–11:25 Sheldon Q. SHI, University of North Texas, USA
Effect of Impregnated Inorganic Nanoparticles on the Surface Chemical Composition of the Kenaf Bast Fibers
- 11:25–11:40 Discussion
- 11:40–11:45 Closing Remarks - Heiko THÖMEN, Bern University of Applied Sciences, Switzerland, and Jianxiong LV, Chinese Academy of Forestry, China
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- 11:45–13:30 **Lunch - 3rd Floor IBR Tower**
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- 13:30–17:00 **Wood and Agri Fiber Culture - Sessions Co-Chair - Jeff CAO, Asian Institute for Energy, Environment and Sustainability, Korea; Hongming PENG, China Eco-Culture Association, China**
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- 13:30–13:35 Opening Remarks - Jeff CAO, Asian Institute for Energy, Environment and Sustainability, Korea; Hongming PENG, China Eco-Culture Association, China
- 13:35–13:55 Ying JIANG, China Academy of Urban Planning and Design, China
Timber Use in the Chinese Gardens and Architecture
- 13:55–14:15 Bo LIU, Chinese Academy of Forestry, China
History and Hardwood Species of HMS *Charybdis*
- 14:15–14:35 Xiaoting NIU, Northeast Forestry University, China
The Carving Craftsmanship's Process Principle and Measures of the Ming and Qing Furniture Artisan
- 14:35–14:55 Coffee Break
- 14:55–15:15 Shasha SONG, International Centre for Bamboo and Rattan, China
The Feature and Future Development of Sino-lacquer Furniture
- 15:15–15:35 Eva HAVIAROVA, Purdue University, USA
Wood, the Most Interesting, Innovative and the Best Material for Our Society
- 15:35–15:55 Alain CLOUTIER, Université Laval, Canada
Developing A Wood Culture for Non-Residential Construction
- 15:55–16:15 Chia Hua LEE, International Wood Culture Society, China
Rediscovering Wood Culture and Approaching "Wood is Good"
- 16:15–16:35 Discussion
- 16:35–16:40 Closing Remarks - Jeff CAO, Asian Institute for Energy, Environment and Sustainability, Korea; and Hongming PENG, China Eco-Culture Association, China
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- 16:40–17:00 **Closing Ceremony**
Victoria HERIAN, Executive Director, SWST
Alain CLOUTIER, SWST President
Benhua FEI, ICBR
Sheldon SHI, President-Elect SWST
Jerrold WINANDY, Past President SWST
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- 17:30–22:30 **Banquet - Lao She Tea House, No. 3 Qianmen West Street, Beijing**
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FRIDAY, AUGUST 31

- 17:30 Leave ICBR by bus from Lobby
- 18:30–21:30 Lao She Tea House - Dinner and Chinese cultural performances
- 21:30–22:30 Visit Tiananmen Square area
- 22:30 Board bus back to ICBR

All-day Industry Tour included in Registration Fee

- 08:40–09:30 Leave for Tiantan Furniture from IBR Tower lobby -
Tiantan Furniture <http://www.ttj.com.cn/english/indexEng.do>
- 09:30–10:30 Visit Tiantan Furniture
- 10:30–11:00 Leave for CAF
- 11:00–12:00 Visit Chinese Academy of Forestry
- 12:00–13:00 Lunch (at CAF)
- 13:00–14:30 Leave for TaTa Wooden Doors - <http://www.tata.com.cn/en/>
- 14:30–15:30 Visit TaTa Wooden Doors
- 15:30–16:30 Back to IBR Tower