

**JOINT IAWS/IAWA ANNUAL MEETING 17-21 OCTOBER 2013  
AND 8<sup>TH</sup> PACIFIC REGIONAL WOOD ANATOMY CONFERENCE  
NANJING/CHINA**

**\*\*\* General Information \*\*\***

**VENUE**

International Conference Hotel, Nanjing, China

**CONFERENCE PROGRAM**

<b>Time</b>	<b>Place</b>	<b>Program</b>
October 17 <sup>th</sup> , 2013 (Thursday)	8:00 – 12:00	Lobby of hotel
	12:00 – 13:30	
	13:30 – 14:00	Conference hall
	14:00 – 14:20	In front of Zi-jin-lou
	14:20 – 14:30	
	14:30 – 17:40	Conference hall
	18:30 ~	
October 18 <sup>th</sup> , 2013 (Friday)	8:00 – 10:00	Room A & Room B
	10:00 – 10:15	
	10:15 – 12:00	Room A & Room B
	12:00 – 13:30	
	13:30 – 15:30	Room A & Room B
	15:30 – 15:45	
	15:45 – 17:30	Room A & Room B
18:00 ~		
October 19 <sup>th</sup> , 2013 (Saturday)	8:00 – 8:30	Room A
	8:30 – 10:00	Room A & Room B
	10:00 – 10:15	
	10:15 – 12:00	Room A & Room B
	12:00 – 13:30	
	13:30 – 17:30	Poster Hall
	14:30 – 15:30	Room A
	15:30 – 16:30	Room A
	16:30 – 17:30	Room A
18:00 ~		
October 20 <sup>th</sup> , 2013 (Sunday)	8:30 – 10:00	Room A & Room B
	10:00 – 10:15	
	10:15 – 11:30	Room A & Room B
	11:30 – 12:00	Room A
	12:00 – 13:30	
	13:30 – 15:30	
	15:30 – 17:30	
18:00 – 20:00		

CONFERENCE TOUR

October 21st, 2013 (Monday) 8:00~ Departure from hotel to Yangzhou

\*\*\* Program \*\*\*

KEYNOTE LECTURES

<b>Oct: 17<sup>th</sup> -</b>		<b>Chairperson: Pieter Baas</b>
<b>PART 1</b>		
14: 30 – 15:05	<b>Qisheng Zhang</b>	Research and application of agriculture and forestry biomass gasification poly-generation technology
15:05 – 15:40	<b>Zehui Jiang</b>	The research on properties and utilization of bamboo in International Center for Bamboo and Rattan (ICBR)
15:40 – 16:15	<b>Keiji Takabe</b>	Immunocytochemistry gives new insight into cell wall formation in wood
16:15 – 16:30		Coffee time
<b>PART 2</b>		<b>IAWS Academy Lectures Chairperson: Lennart Salmén</b>
16:30 – 17:05	<b>Lloyd Donaldson</b>	Fluorescence microscopy of wood
17:05 – 17:40	<b>Pieter Baas</b>	The evolution of wood anatomical diversity and its significance in biology and global change research

ORAL PRESENTATION

<b>Oct. 18th</b>		<b>Room A</b>
<b>Session 1 WOOD ANATOMY</b>		
8:00 – 8:15	<b>Joko Sulisty</b>	Wood anatomical features and physical properties of fast growing red Meranti trees grown in the line planting in natural forest
8:15 – 8:30	<b>Lajmina Joshi</b>	Wood anatomy of some Nepalese species of the genus <i>Boehmeria</i>
8:30 – 8:45	<b>Andi Andianto</b>	Wood anatomy of eaglewood producing species
8:45 – 9:00	<b>Ridwan Yahya</b>	Diameter and wall thickness of fiber in relation to distance from vessels in <i>Acacia mangium</i>
9:00 – 9:15	<b>Sri Nugroho</b>	Fiber morphology of ramin ( <i>Gonystilus bancanus</i> ) as compare to <i>Acacia mangium</i> , and <i>Eucalyptus pellita</i> , in the solid wood and in the pulp products
	<b>Marsoem</b>	
9:15 – 9:30	<b>Yuzou Sano</b>	Occurrence of perforated pit membranes and torus-bearing pit membranes in ancestral angiosperms
9:30 – 9:45	<b>Andi Detti Yunianti</b>	Nanostructure characteristics of cloned Teak Cepu and cloned Teak Madiun

9:45 – 10:00	<b>Yasuhiro Utsumi</b>	Interspecific variation of xylem water transport pathway in conifers
<b>10:00 – 10:15</b>	<b>Coffee time</b>	
10:15 – 10:30	<b>Shuichi Noshiro</b>	Two groups of <i>Rhododendron arboretum</i> (Ericaceae) in Nepal found from the ecological trends in wood structure
10:30 – 10:45	<b>Mitra Lal Pathak</b>	Ecological anatomy of two <i>Rhododendron</i> species along the elevational gradient in the Eastern Nepal
10:45 – 11:00	<b>Junji Sugiyama</b>	NIR spectroscopic investigation of anatomically similar wood species
11:00 – 11:15	<b>Zhaopeng Xia</b>	Optimizing the agent in softening hard plant structures for light microscopy identification
<b>Session 2 WOOD IDENTIFICATION</b>		
11:15 – 11:30	<b>Asensi A. Victoria</b>	First results of archaeodendrometrical studies on wooden objects of the culture Mapuche (North Patagonia) from Quai Branly Museum collections (Paris, France)
11:30 – 11:45	<b>Hyun-min Jeong</b>	Species of wooden Buddhist statues in the late Joseon dynasty of Korea
11:45 – 12:00		
<b>12:00 – 13:30</b>	<b>Lunch time</b>	
<b>Session 2 WOOD IDENTIFICATION</b>		
13:30 – 13:45	<b>Jingjing Wang</b>	Thought on the standards of wood anatomical identification
13:45 – 14:00	<b>Xiaoli Chen</b>	Wood identification and analysis from the Dayunshan Han dynasty tomb in Xuyi county
14:00 – 14:15	<b>Peter Gasson</b>	Identification of CITES-listed and other internationally traded woods
14:15 – 14:30	<b>Arsenio B. Ella</b>	Wood identification of expensive woody art collections mostly expensive religious images deposited at San Agustin Church, Intramuros, Manila, Philippines
14:30 – 14:45	<b>Mechtild Mertz</b>	Wood selection of ancient temple structures in the Sikkim Himalayas
14:45 – 15:00	<b>Yafang Yin</b>	DNA extraction from drying wood for species identification using DNA barcoding technology
15:00 – 15:15	<b>Hisashi Abe</b>	Applying DNA and NIR Analyses to Wood Identification
<b>15:30 – 15:45</b>	<b>Coffee time</b>	

<b>Session 3 PALEOBOTANY</b>		
15:45 – 16:00	<b>Listya Mustika Dewi</b>	A new record of <i>Shoreoxylon</i> (Dipterocarpaceae) fossil wood from Flores Island, Indonesia
16:00 – 16:15	<b>Xinxin Feng</b>	Early Cenozoic woods from South China and their phytogeographic and paleoclimatic implications
16:15 – 16:30	<b>Xin Wang</b>	Cytoplasm in fossil wood and other fossils
16:30 – 16:45	<b>Alexei A. Oskolski</b>	Myrtineoxylon gen. nov.: the earliest occurrence of the tribe Myrteae (Myrtaceae) in eastern Asia
16:45 – 17:00	<b>Yeming Cheng</b>	Pliocene woods from the Yuanmou Basin of Yunnan, China and their implications for vegetation change
<b>Session 4 WOOD CULTURE &amp; DENDROCHRONOLOGY</b>		
17:00 – 17:15	<b>Qiang Li</b>	Climate signals detected by tree-ring stable oxygen isotope over North China
17:15 – 17:30	<b>Won-Kyu Park</b>	Tree-ring dating and species identification of wood boxes and fenders excavated from the Shinan Shipwreck, Korea
<b>18:00 ~</b>	<b>Dinner time</b>	

<b>Oct. 19th</b>	<b>Room A</b>	
8:00 – 8:30	<b>Sergio José Sanabria Martín</b>	Air-coupled ultrasound propagation and novel non-destructive bonding quality assessment of timber composites ( <b>IAWS PhD Thesis Award 2013</b> )
<b>Session 4 WOOD CULTURE &amp; DENDROCHRONOLOGY</b>		
8:30 – 8:45	<b>Ting Fu</b>	The use of rosin and shellac for conservation treatment of waterlogged wood
8:45 – 9:00	<b>Howard Neal Rosen</b>	How a strong wood culture has advanced the industrialization of the United States
9:00 – 9:15	<b>Tomoyuki Fujii</b>	Contribution of wood anatomy to wooden culture in Japan
9:15 – 9:30	<b>Guangjie Zhao</b>	Structure and cultural evolution of traditional log housing in Shiwei Russian nationality Township
9:30 – 9:45	<b>Biao Pan</b>	Wood identification of drum-carriage parts in Zhanguo era excavated in Huai'an, Jiangsu
<b>Session 5 TREE PHYSIOLOGY &amp; PATHOLOGY</b>		
9:45 – 10:00	<b>Uwe Schmitt</b>	Developmental aspects of epidermal SiO <sub>2</sub> deposits in bamboo culms
<b>10:00 – 10:15</b>	<b>Coffee time</b>	

<b>Session 5 TREE PHYSIOLOGY &amp; PATHOLOGY</b>		
10:15 – 10:30	<b>Leila Karami</b>	Fungal decay of naturally infected wood of <i>Quercus robur</i> and investigations on healthy and decayed tissue
10:30 – 10:45	<b>Primoz Oven</b>	Defensive and protective mechanisms in wood of wounded beech trees
10:45 – 11:00	<b>Keiko Kuroda</b>	Collaboration of wilt pathogen and vector beetle induces extensive xylem dysfunction and wilt symptom
11:00 – 11:15	<b>Peter B. Kitin</b>	Early stages of fungal biodegradation of woody cell walls investigated by fluorescence microscopy and SEM
11:15 – 11:30	<b>Haishan He</b>	Cultivating spalted wood with spalting fungi in the wild
<b>Session 6 WOOD FORMATION</b>		
11:30 – 11:45	<b>Yoon Soo Kim</b>	Revisit to cell corner middle lamella: Lignin polymers mask the fibrillar network structure
11:45 – 12:00	<b>Fukuju Yamamoto</b>	Effects of plant hormones on wood formation and discoloration
<b>12:00 – 13:30</b>	<b>Lunch time</b>	
<b>13:30 – 17:30</b>	<b>Poster presentation</b>	
<b>14:30 – 15:30</b>	<b>IAWS business hour</b>	
<b>15:30 – 17:30</b>	<b>IAWA business hour and social hour</b>	
<b>18:00 ~</b>	<b>Dinner time</b>	

<b>Oct. 20th</b>	<b>Room A</b>	
<b>Session 6 WOOD FORMATION</b>		
8:30 – 8:45	<b>Widyanto D. Nugroho</b>	Stored starch contents and living wood fibers on the formation of tension wood in inclined <i>Acacia mangium</i> seedlings
8:45 – 9:00	<b>Kishore S. Rajput</b>	Formation of interxylary phloem and fate of cambial segment associated with earlier formed phloem islands
9:00 – 9:15	<b>Yusuke Yamagishi</b>	Dynamic behavior of microtubules in differentiating secondary xylem like tracheary elements in vitro
9:15 – 9:30	<b>Boontida Moungrimuangdee</b>	Induction of discolored wood in <i>Aquilaria crassna</i> by ethrel, methyl jasmonate and salicylic acid
9:30 – 9:45	<b>Jong Sik Kim</b>	Distribution of non-cellulosic polysaccharides in axial resin canals
9:45 – 10:00	<b>Xinqiang He</b>	Caspase-like protease activity is involved in secondary xylem development in <i>Populus tomentosa</i> Carr.
<b>10:00 – 10:15</b>	<b>Coffee time</b>	

10:15 – 10:30	<b>Nathsuda Pumijumnong</b>	Cambial activity and radial growth in relation to climate factors of three tropical trees species at Chang Island, Thailand
10:30 – 10:45	<b>Takao Itoh</b>	Seasonal distribution of callose in sieve cells of nine coniferous trees
10:45 – 11:00	<b>Satoshi Nakaba</b>	Disappearance of organelles during cell death of ray parenchyma in <i>Abies sachalinensis</i>
11:00 – 11:15	<b>Kayo Kudo</b>	The effects of localized heating and disbudding on the earlywood vessel formation in a deciduous ring-porous wood ( <i>Quercus serrata</i> )
11:15 – 11:30	<b>Bo Liu</b>	Formation of cell wall in developmental culms of bamboo <i>Phyllostachys pubescens</i>
11:30 – 12:00	<b>Closing ceremony (Room A)</b>	
<b>12:00 – 13:30</b>	<b>Lunch time</b>	
<b>13:30 – 15:30</b>	<b>Free time</b>	
<b>15:30 – 17:30</b>	<b>Visiting Nanjing Forestry University (NFU)</b>	
<b>18:00 – 20:00</b>	<b>Dinner at NFU</b>	

<b>Oct. 18th</b>	<b>Room B</b>	
<b>Session 7 STRUCTURE &amp; UTILIZATION OF BAMBOO, RATTAN, AND PALM</b>		
8:00 – 8:15	<b>Hong Chen</b>	Microfibrils in primary cell wall of bamboo fiber with different pre-treatments studied using an atomic force microscopy
8:15 – 8:30	<b>Zixuan Yu</b>	Cell wall mechanical properties of different cells in bamboo measured with nanoindentation
8:30 – 8:45	<b>Yan Yu</b>	Why is bamboo so strong: A multi-scale mechanical investigation
8:45 – 9:00	<b>Hankun Wang</b>	NCF preparation from different components of bamboo by high pressure homogenization
9:00 – 9:15	<b>Xiaoqing Wang</b>	Chemical and structural characterization of bamboo fiber walls by confocal Raman microscopy
9:15 – 9:30	<b>Jianchao Deng</b>	The Mould and Aging Resistance Performances of Bamboo Keyboard
9:30 – 9:45	<b>Mojtaba Soltani</b>	Date palm compreg : A high quality bio-composite of date palm wood
9:45 – 10:00	<b>Shengcheng Zhai</b>	Structural and mechanical features of palm fiber bundles
<b>10:00 – 10:15</b>	<b>Coffee time</b>	
10:15 – 10:30	<b>Suthon Srivaro</b>	Manufacturing of lightweight oil palm core sandwich panel

<b>Session 8 WOOD PROPERTY</b>		
10:30 – 10:45	<b>Geoffrey Daniel</b>	Exploring microwave technology for energy efficient mechanical pulping
10:45 – 11:00	<b>Jiali Jiang</b>	The Effects of Hydrothermal Conditions on Linear Viscoelastic Response Region of Wood
11:00 – 11:15	<b>Futoshi Ishiguri</b>	Structure and properties of wood from plantation-grown tropical trees
11:15 – 11:30	<b>Wang Wang</b>	Combined effect of wax and thermal modification on water-related properties of Mongolian pine and Cathay poplar
11:30 – 11:45	<b>Viljem Vek</b>	The structure of tissues and the content of extractives in wounded stems of common beech ( <i>Fagus sylvatica</i> L.)
11:45 – 12:00	<b>Hamid Reza Naji</b>	Effect of initial planting density and tree features on growth, wood density and anatomical properties from a <i>Hevea brasiliensis</i> trial plantation
<b>12:00 – 13:30</b>	<b>Lunch time</b>	
13:30 – 13:45	<b>Galina F. Antonova</b>	Changes in metabolites along height and radius of stem during early and late wood formation in Scots pine
13:45 – 14:00	<b>Hiroyuki Yamamoto</b>	Mechanical interaction between the cellulose microfibril and the matrix component revealed by the X-ray diffraction technique
14:00 – 14:15	<b>Seyed Eshagh Ebadi</b>	Radial variation of fiber anatomical features, wood density, and chemical constituents in <i>Acer velutinum</i>
14:15 – 14:30	<b>Reinardus L. Cabuy</b>	Microfibril angle variation of some <i>Shorea</i> species planted in Gunung Walat educational forest in West Java, Indonesia
14:30 – 14:45	<b>Peter Niemz</b>	Intra-ring variation of transverse swelling from Norway spruce
14:45 – 15:00	<b>Chung-Jui Tsai</b>	Pleiotropic effects of tubulin manipulation on <i>Populus</i> wood formation and stress response
15:00 – 15:15	<b>Zoltán Pásztor</b>	Moisture effect to the thermal conductivity of wood bark
15:15 – 15:30	<b>Xiaofeng Wu</b>	Comparison between dyeing parameters of axial direction dyeing on <i>Populus cathayana</i>
<b>15:30 – 15:45</b>	<b>Coffee time</b>	
15:45 – 16:00	<b>Xuehua Wang</b>	Changes in physical and mechanical properties of Eucalypt
16:00 – 16:15	<b>Wanju Li</b>	The influence of furfurylated masson pine with different catalysts on physical and mechanical properties and durability
16:15 – 16:30	<b>Yuan Zhu</b>	Water absorption and dimensional stability of southern pine impregnated with linoleic acid

16:30 – 16:45	<b>Xinhao Feng</b>	Evaluation of properties of wood treated with sodium silicate
16:45 – 17:00	<b>Tiantian Yang</b>	Dynamic sorption and hygroexpansion of wood by humidity cyclically changing effect
17:00 – 17:15	<b>Jiamin Wang</b>	Properties of mixed systems of paraffin wax emulsion and copper azole and treated wood
17:15 – 17:30	<b>Natalia Pérez-Peña</b>	Deformations and drying stresses in <i>Eucalyptus nitens</i>
<b>18:00 ~</b>	<b>Dinner time</b>	

<b>Oct. 19th</b>	<b>Room B</b>	
	<b>Session 9</b>	<b>CELLULOSE NANOFIBER &amp; BIO-ENERGY</b>
8:30 – 8:45	<b>Junyong Zhu</b>	SPORL for forest biorefinery: significant advantages for high titer and yield production of biofuel and lignosulfonate from softwood forest residues
8:45 – 9:00	<b>Soo-Jeong Shin</b>	Ethanol fermentation of wood hydrolyzates by concentrated H <sub>2</sub> SO <sub>4</sub> hydrolysis followed by its acid separation through simulated moving bed chromatography
9:00 – 9:15	<b>Janis Gravitis</b>	Feedstock for biorefineries and advancement of value-added products from biomass
9:15 – 9:30	<b>Takashi Watanabe</b>	Microwave processing for the production of bioethanol and aromatic chemicals from woody biomass
9:30 – 9:45	<b>Yoshiki Horikawa</b>	Practical evaluation for cellulase activity by estimating degree of polymerization (DP) of cellulose and its high-throughput analysis
9:45 – 10:00	<b>Qinglin Wu</b>	Self-assembled cellulose nanoparticles during lyophilization process
10:00 – 10:15	<b>Coffee time</b>	
10:15 – 10:30	<b>Zhiyong Cai</b>	Cellulose nano material researches at USDA forest products laboratory
10:30 – 10:45	<b>Kazuhiko Fukushima</b>	Chemical mapping of tree biomolecules by the cryo-TOF-SIMS/SEM system
10:45 – 11:00	<b>Guangping Han</b>	Effect of acid hydrolysis conditions on the properties of cellulose nanoparticle-reinforced polymethylmethacrylate composites
11:00 – 11:15	<b>Sera Jeon</b>	Electrical conductive and optical transparency of bacterial cellulose based composite in different cultivation methods
11:15 – 11:30	<b>Zhi Jin</b>	Effect of pre-oxidation on the yield and pore structure of liquefied wood-based activated carbon fiber



11:30 – 11:45	<b>Wenjing Liu</b>	Microstructure of liquefied wood based activated carbon fibers modified by different concentration of silver nitrate solution
11:45 – 12:00	<b>Junbo Shang</b>	Effects of curing process on carbon fibers from liquefied wood in phenol
<b>12:00 – 13:30</b>	<b>Lunch time</b>	
<b>13:30 – 17:30</b>	<b>Poster presentation</b>	
<b>14:30 – 15:30</b>	<b>IAWS business hour</b>	
<b>15:30 – 17:30</b>	<b>IAWA business hour and social hour</b>	
<b>18:00 ~</b>	<b>Dinner time</b>	

<b>Oct. 20th</b>	<b>Room B</b>	
	<b>Session 10</b>	<b>WOOD COMPOSITES</b>
8:30 – 8:45	<b>Hyun-Joong Kim</b>	PLA/Kenaf green-composites for automotive interior parts
8:45 – 9:00	<b>Klaus Richter</b>	Development of non-flammable lightweight-boards based on natural fibers, minerals and paper
9:00 – 9:15	<b>Peixing Wei</b>	Predicting tensile modulus of resinated wood using a modified theory of composite mechanics
9:15 – 9:30	<b>Brad Jianhe Wang</b>	Development of Canadian hem-fir CLT products
9:30 – 9:45	<b>Jing Qin</b>	The shrinkage and swelling of the chemical copper coated poplar composites responding to relative humidity under variable cycles
9:45 – 10:00	<b>Feng Yang</b>	Selected properties of corrugated bamboo particleboards made from bamboo waste laminated with MDF sheet
<b>10:00 – 10:15</b>	<b>Coffee time</b>	
10:15 – 10:30	<b>Chunping Dai</b>	Characterization and simulation of fibre orientation in wood strand composites
10:30 – 10:45	<b>Ru Liu</b>	Stress relaxation of two-step organo-montmorillonite (OMMT) modified wood flour/poly (lactic acid) composites at 80C
10:45 – 11:00	<b>Zhifang Zhou</b>	Maleic anhydride grafted polyethylene affect properties and interface bonding of carbon fiber/wood-plastic composites
11:00 – 11:15	<b>Yao Peng</b>	Evaluation the properties of stained wood flour-poly(lactic acid) composite
11:15 – 11:30	<b>Misao Yokoyama</b>	Aging effect on hygroscopicity of wood
<b>11:30 – 12:00</b>	<b>Closing ceremony (Room A)</b>	
<b>12:00 – 13:30</b>	<b>Lunch time</b>	
<b>13:30 – 15:30</b>	<b>Free time</b>	

15:30 ~	Visiting NFU
18:00 ~	Dinner at NFU

POSTER PRESENTATION    Oct. 19th    13:30 – 17:30    Poster Hall

Poster number	Name	Title
<b>Session 1 WOOD ANATOMY</b>		
01	<b>Jianfeng Ma</b>	Anatomy and ultrastructure of <i>Miscanthus sinensis</i> internode
02	<b>Naiwen Wang</b>	Comparative anatomy of Secondary phloem in six species of Taxodiaceae
03	<b>Feng Wang</b>	Comparative Anatomy of Secondary Structure in Genus of Liriodendron
04	<b>Qian Li</b>	Comparative study on the disintegration of archaeological wood, <i>Phoebe</i> and <i>Cinnamomum</i>
05	<b>Satsuki Sumida</b>	Laticifer structures of <i>Ficus carica</i> L.
06	<b>Fengping Jia</b>	Origin of sticky substances in the bark of <i>Pseudolarix amabilis</i>
07	<b>Haruna Aiso</b>	Reaction wood anatomy and lignin distribution in vessel-less angiosperm tree species, <i>Sarcandra glabra</i>
08	<b>Andi Detti Yunianti</b>	Reaction Wood Characteristics of Pulai ( <i>Alstonia</i> spp) and Lento-lento ( <i>Arthrophyllum diversifolium</i> ) : As raw materials for particle board
09	<b>Lingfei Ma</b>	Study on anatomical structure of hemp core
10	<b>Li Xu</b>	Study on Application of Microscopic Structure of the Tulip Tree
11	<b>Youming Yu</b>	Study on the Structure of Herba Artemisiae Annuae
12	<b>Caiping Lian</b>	The distribution of Gelatinous fiber in <i>Populus deltoide</i> clones
13	<b>Yujing Nie</b>	The microscopic structure and fiber shape of kenaf core
<b>Session 2 WOOD IDENTIFICATION</b>		
14	<b>Lichao Jiao</b>	Application of DNA barcoding for identification of <i>Aquilaria sinensis</i> using wood tissues undergoing high-temperature drying and long-term storage
15	<b>Min Yu</b>	DNA extraction and ribosomal DNA-ITS sequence molecule barcode identification from wood tissue of <i>Dalbergia odorifera</i> T. Chen
16	<b>Ugai Watanabe</b>	Residual DNAs extracted from Sapwood and Heartwood and Its Effectiveness for Identification of Wood Species
17	<b>Hyun-min Jeong</b>	Species Identification of Structural Woods in the Yeungsanjeon Hall of Sucknamsa Temple from central Korea

18	<b>Lin He</b>	The identification and analysis of wood for block printing from Yangzhou Museum
19	<b>Arsenio B. Ella</b>	Wood Identification of Expensive Woody Art Collections Mostly Expensive Religious Images Deposited at San Agustin Church, Intramuros
20	<b>Misao Yokoyama</b>	Wood identification of Japanese historical buildings—A case study of Kasa-tei and Shigure tei of the Kodaiji temple
21	<b>Bei Zhang</b>	Wood identification to the buried and carbonized wood from South China
		<b>Session 4 WOOD CULTURE &amp; DENDROCHRONOLOGY</b>
22	<b>Yoon Soo KIM</b>	Degradation Modes of Archaeological Bamboo Slips Excavated from the Yellow Sea
23	<b>Takumi Mitsutani</b>	Dendrochronological analysis on two forest stands buried by the volcanic eruption occurred 90,000 years ago in Mt. Aso, Japan
24	<b>Won-Kyu Park</b>	Species and Tree-Ring Analysis of an Wooden Bupgodae (Drum Support) for Buddhist Ceremony
25	<b>Yan Xia</b>	Study on the decay mechanism of JIANCHUAN flood archaeological wood
26	<b>Jingran Gao</b>	Study on Treatments of Archaeological Wood with Chitosan
		<b>Session 5 TREE PHYSIOLOGY &amp; PATHOLOGY</b>
27	<b>Kai Liu</b>	Determining the content of poplar branches' endogenous IAA and GA3 by HPLC
28	<b>Wakana Azuma</b>	Leaf anatomy reflects vertical change in water - relations characteristics in the crown of tall <i>Cryptomeria japonica</i> trees
29	<b>Yuko T. Hanba</b>	Leaf mesophyll anatomy strongly limits leaf photosynthesis in woody species via CO2 diffusion inside leaves
30	<b>Keisuke Nishida</b>	Low mesophyll CO2 conductance of ferns relates to their mesophyll traits
31	<b>Keiko Kuroda</b>	Xylem dysfunction in <i>Ficus carica</i> infected with a wilt fungus <i>Ceratocystis ficicola</i> and the role of vector beetle <i>Euwallacea interjectus</i>
		<b>Session 6 WOOD FORMATION</b>
32	<b>Yaping Jiang</b>	Development of Traumatic Gum Ducts Induced by Ethephon in <i>Liquidamber formosana</i>
33	<b>Zhiyin Wang</b>	Study on formation of resinous substances by hormone induction in <i>Aquilaria sinensis</i> tree
34	<b>Yeling Ou</b>	The structure and development of included phloem in agawood

35	<b>Fumiko Iwanaga</b>	Wood formation during/after submergence in <i>Taxodium distichum</i> saplings
		<b>Session 7 STRUCTURE AND UTILIZATION OF BAMBOO, RATTAN AND PALM</b>
36	<b>Lusheng Zhang</b>	Effects of Preservative treatment on Wettability and Bonding Property of Glue Laminated Bamboo
37	<b>Huanrong Liu</b>	Hierarchical structures and graded mechanical properties of bamboo
38	<b>Cheng Yong</b>	Improvement of bamboo transverse permeability by means of ultrasonic wall-breaking application
39	<b>Wei Yan</b>	Indentation Creep Behavior and Its Microscopic Observation of Carbonized Bamboo
40	<b>Fang Lu</b>	MAS NMR Application in the Research of Nano Bamboo Preservative
41	<b>Minmin Xu</b>	Mode I fracture toughness of tangential moso bamboo
42	<b>Hui Li</b>	Review on Bamboo Microscopic Structure and Bamboo Fiber Application in China
43	<b>Lei Yue</b>	The separation of bamboo fibers from processing residues by steam explosion treatment
44	<b>Shasha Song</b>	The sliced bamboo winding technology and processing technology
45	<b>Lili Shang</b>	The Variation of Tensile Properties of Moso Bamboo Vascular Bundles
		<b>Session 8 WOOD PROPERTY</b>
46	<b>Shumin Yang</b>	Comparison of the physical-mechanical properties of four rattan species
47	<b>Jiangping Yin</b>	Changes of Micropores and mesopores structure of cell walls during the transformation from Sapwood to heartwood of <i>Cunninghamia lanceolata</i>
48	<b>Ping Miao</b>	Chemical research of the red discoloration of Hainan rubber wood
49	<b>Juan Guo</b>	Comparison of hygro-thermal treatment and thermo-hygro-mechanical treatment on the properties of earlywood and latewood in Spruce
50	<b>Xuxia Guo</b>	Comparison of Wood Anatomy Properties during Transformation from Sapwood to Heartwood of Two <i>Cunninghamia lanceolata</i> Breeds
51	<b>Viljem Vek</b>	Compartmentalization of wounds made by resin tapping in European black pine ( <i>Pinus nigra</i> )
52	<b>Yongjian Cao</b>	Effect of Flame Retardants on Properties of Wood
53	<b>Yaoli Zhang</b>	Impact of microstructure on larch lumber mechanical properties
54	<b>Taiichi Iki</b>	Inheritance of wood stiffness in <i>Cryptomeria japonica</i> at two progeny test stands created by a diallel mating

		design
55	<b>Hiroyuki Yamamoto</b>	Microscopic mechanism of hygro-thermal recovery in softwood cell wall
56	<b>Seiya Kuronuma</b>	Permeability of coatings into wood
57	<b>Xuexia Xie</b>	Surface roughness and defects characteristics of plantation <i>Cinnamomum. camphora</i> Presl in planing process
58	<b>Fuquan Xiong</b>	The effect of different milling conditions on particle length and relative crystallinity of eucalyptus powder
59	<b>Xinli Wei</b>	The Research on the Heat-Transfer Mechanism of the Cork
60	<b>Fanny Hidayati</b>	Wood properties and anatomical characteristics of 5-year-old <i>Gmelina arborea</i> with three different radial growth rates
61	<b>Klaus Richter</b>	Wood properties of <i>Cedrus libani</i> A. Rich. grown in the botanical garden in Bayreuth/Germany
		<b>Session 9 CELLULOSE NANOFIBER &amp; BIO-ENERGY</b>
62	<b>Mengqi Wang</b>	Analysis of wood fiber activation with sodium hydroxide and the effect on the surface morphology and structure
63	<b>Sera Jeon</b>	Fabrication and Evaluation of Composite based Bacterial Cellulose with Ionic Conducting Polymer
64	<b>Meiyun Kang</b>	Hydrophobic Modification of Nano Cellulose Fibres
65	<b>Qiaoyun Deng</b>	Mechanical Properties of Chitin Nanofiber/ Poly (vinyl alcohol) Composites
66	<b>Chuchu Chen</b>	Optically Transparent Biocomposites: Polymethylmethacrylate Reinforced with High-performance Chitin Nanofibers
67	<b>Jingyun Yang</b>	Preparation and properties of Chitin fiber membrane
68	<b>Yangyang Hu</b>	Preparation and properties of chitin nanofibers/PVA composite hydrogels
69	<b>Yang Li</b>	Preparation of polyaniline/nano-cellulose conductive composites
70	<b>Dagang Li</b>	Study on Cellulose Nanofiber / Polyurethane Nanocomposite
71	<b>Tzu-Cheng Chang</b>	Study on Inhibition Mechanisms of Wood Radicals by <i>Acacia confusa</i> Heartwood Extract
72	<b>Ranran Zhang</b>	The preparation and analysis of carbon nanofibers from natural cellulose
73	<b>Primoz Oven</b>	Thermal properties of dried microfibrillated cellulose
74	<b>Xiaoping Li</b>	Utilization of pectinases and lignin enzyme for fiber-refining in manufacturing MDF

<b>Session 10 WOOD COMPOSITES</b>		
75	<b>Fuming Chen</b>	Evaluation of density uniformity and mechanical properties of Bamboo-bundle Laminated Veneer Lumber (BLVL)
76	<b>Xinxin Ma</b>	Comparison of bending creep behavior of bamboo-based composites manufactured by two types of stacking sequence
77	<b>Dan Zhang</b>	The Effect of Different Veneer-joint Forms and Distributions on Mechanical Properties of Bamboo bundle Laminated Veneer Lumber (BLVL)
78	<b>Xinzhou Wang</b>	A New Fast-growing Wood for Plywood Manufacturing- <i>Salix discolor</i>
79	<b>Zhipei You</b>	Analysis of Dynamic Mechanical Properties and Flexural Properties of Wood Flour/UHMWPE Composites
80	<b>Meng Gong</b>	Effect of growth ring orientation on the rolling shear properties of downscaled CLT
81	<b>Siwei Huang</b>	Measurement on Elastic Constants of Laminated Veneer Lumber (LVL) from Poplar for Packaging