

Poster No.	Author(s)	Title
P-1	Praggananda Sraman	A tree contribution towards wellbeing: A Buddhist perspective
P-2	Sun Cheng-wen, Liu Li-li, Zhang Min	Wood carving of Huizhou
P-3	Luo Hui-ding, Liu Li-li, Zhang Min, Liu Jia	Luo Dong-shu Shrine – the model of ancient wood construction architecture
P-4	Fang Shun-lai, Liu Li-li, Zhang Min, Zhou Xiao-lin	Artistic characteristics of old wood construction houses in Chengkan
P-5	Fukamachi Katsue, Oku Hirokazu, Miyoshi Iwao, Tabuchi Atsushi	Experimental study for conservation of satoyama landscape through repairing old timber houses on the Tango Peninsula, Kyoto (1) New trend of the conservation activities of traditional houses
P-6	Tabuchi Atsushi, Yamawa Ai, Fukamachi Katsue, Oku Hirokazu, Miyoshi Iwao	Experimental study for conservation of satoyama landscape through repairing old timber houses on the Tango Peninsula, Kyoto (2) Evaluation of structural characteristics of an earth-walled storehouse
P-7	Yumiko Murakami, Hirokazu Oku, Daisuke Sakuma, Mio Horiuchi, Yasushi Inomoto, Katsue Fukamachi, Misao Yokoyama, Junji Sugiyama, Katsuhiko Osumi, Takakazu Yumoto, Mechthild Mertz	Wood use inferred from a farmhouse in the Tango Peninsula, Japan
P-8	Koichi Yamamoto, Makoto Kiguchi	Wooden shop-name signage on the façade of westernized buildings built in 1920–30's in the east Japan
P-9	Shinya Koga, Yasuhiro Utsumi, Yukie Saito, Masahiko Kadomatsu, Nao Sakanoue, Hirokazu Yamamoto	Effect of bark decortication for hiwada production on growth and wood properties of <i>Chamaecyparis obtusa</i>
P-10	Mayu Ueda, Miyuki Matsuo, Munekazu Minami, Akihisa Kitamori	Modern use of traditional material –Kitayama–Sugi furniture project
P-11	Shoichi Nakashima, Akihisa Kitamori, Satoru Murakami, Yulianto P Prihatmaji, Munekazu Minami, Takuro Mori, Kohei Komatsu	Structural utilization of log timber –An attempt on construction of Kitayama logs warehouse–
P-12	Misao Yokoyama, Junji Sugiyama	Wood identification of Japanese traditional buildings by using VOC method
P-13	Hisashi Abe, Ugai Watanabe, Kazumasa Yoshida, Katsushi Kuroda, Chunhua Zhang	Changes in DNA distribution over long-term storage in the wood of <i>Cryptomeria japonica</i>
P-14	Yuko Fujiwara, Yoshihisa Fujii, Masako Uemura	Applicability of profilometers to infer the shape of knives from knife marks left on the surface of wooden cultural properties
P-15	Ma Ling-fei, Yu You-ming, Huang Hao-zhe, Lu Heng	Identification and properties of unearthed wood from the Yinshan Big Tomb and Xiaoshan floating bridge site in Zhejiang
P-16	Motonari Ohyama, Yasuharu Hoshino, Masataka Hakozaiki, Hitoshi Yonenobu	Development of tree-ring chronologies over the last two millennia in Japan
P-17	Hiroyuki Fujii	Dendrochronological potential of Japanese Hemlocks: the third species available for dating of modern wooden architectures in Western Japan
P-18	Takumi Mitsutani	Dendrochronological analysis of Yakushi Hall and wooden statues of Chikouji Temple in Nagano Prefecture
P-19	Hiroaki Kaneko, Mitsuharu Iwasa, Shuichi Noshiro, Tomoyuki Fujii	Wood types and material selection for Japanese wooden statues of the ancient period
P-20	Victoria Asensi Amoros, Catherine Lavier, Gersande Eschenbrenner, Sandrine Pages-Camagna	Study and identification of ancient Egyptian woods: the funerary model's of Lyon Museum

P-21	Shuichi Noshiro, Tomoyuki Fujii, Hirokazu Yamamoto, Misao Yokoyama, Junji Sugiyama	Timber selection for temple and shrine buildings during the early modern Edo period
P-22	Hajime Sorimachi, Junji Sugiyama	RISH Xylarium – the role in researches for wood culture and science
P-23	Yoshimasa Kishimoto, Miyuki Matsuo	Torii, gateway to Japanese shrine –Some attempts to keep the members of torii for a long time and the influence of them on the style of torii–
P-24	Kenji Umemura, Shuichi Kawai	Durability of isocyanate resin adhesive for wood
P-25	Taro Kataoka, Yasuji Kurimoto, Yohsei Kohzduma	Supercritical drying for archeological waterlogged wood treated with lignophenol
P-26	Kenta Higashijima, Toshiharu Enomae, Kiyohiko Igarashi, Isamu Sakamoto, Akira Isogai	Seawater effect on preventing flood-damaged papers from fungi growth
P-27	Toshiharu Enomae, Akihiko Takashima, Michihisa Hotate, Masamitsu Inaba, Masato Kato	Present situation and problems in view of questionnaire survey on restoration processes of paper cultural heritage
P-28	Yoshihisa Fujii	Review and future scope on the methods for non-destructive evaluation of bio-degradation in wooden historical properties in Japan
P-29	Takuro Mori, Yoshiyuki Yanase, Joko Sulisty, Ziyadatil Inayah, Sulaeman Yusuf, Maya Ismayati, Yulianto P Prihatmaji, Shuichi Doi	Investigation of biodeterioration in Indonesian traditional wooden structure of "Joglo" Part 1: A case study in Sultan Palace
P-30	Yoshiyuki Yanase, Takuro Mori, Yulianto P Prihatmaji, Sulaeman Yusuf, Maya Ismayati, Joko Sulisty, Ziyadatil Inayah, Shuichi Doi	Investigation of biodeterioration in Indonesian traditional wooden structure of "Joglo" Part 2: A case study in area of Kotagete
P-31	Miyuki Matsuo, Misao Yokoyama, Kenji Umemura, Hakuju Kuiseko, Shuichi Kawai	Color changes in wood, paper and their components during natural aging and heat treatment: evaluation and application
P-32	Marco Fioravanti, Giacomo Goli, Bruce Carlson	The effect of mechanical loading on conservation of antique violins
P-33	Masashi Nakamura, Saki Nakagawa, Yumi Miyake	Determination of visual and aesthetic properties of edge-grain pattern by multiresolution contrast analysis
P-34	Takunori Noguchi, Eiichi Obataya, Kosei Ando	Effects of ageing on the vibrational properties of akamatsu (<i>Pinus densiflora</i>) wood
P-35	Liu Li-li, Zhang Min	The characteristics of fire protection of old wood construction houses of Chengkan, Huizhou
P-36	Wang Zhi-zheng, Liu Li-li, Zhang Min, Liu Yi-xing	Lao-hu Shrine in Chengkan
P-37	Yu Ooka, Hideaki Tanahashi, Kazuyuki Izuno, Yoshiyuki Suzuki	Embedment characteristics of aged wooden members of traditional architectures in Japan
P-38	Kei Sawata, Masahiko Toda, Satoru Kanetaka, Yoshihisa Sasaki, Takuro Hirai	The effects of repair methods for deteriorated column of wooden houses on bending resistance of columns and shear resistance of opening frames
P-39	Özlem Bozkurt	Historical wooden elements of Birgi Great Mosque
P-40	Yasunobu Noda, Naoyuki Furuta, Takuya Fujiwara, Kohei Komatsu	Development of compressed cross-lapped corner member
P-41	Munekazu Minami, Akihisa Kitamori, Kohei Komatsu	A plank house system – For sustainable forestry management in Japan
P-42	Ridwan Yahya, Katsuhiko Koze, Junji Sugiyama	Serial optical micrograph as an alternative tool for quantitative anatomical analysis of wood

P-43	A. Hasanpoortichi, B. Bazyar, H. Rangavar, H. Khademieslam, R. Hosseinpour pia	Evaluation of the mechanical properties of recyclable particleboard
P-44	Piotr Boruszewski, Piotr Borysiuk, Mariusz Mamiński, Leszek Danecki, Mirosława Mrozek	From past till now – materials and products made of wood particles: old ideas and new challenges
P-45	Hirohito Matsukawa, Hitoshi Takagi	Evaluation of adhesive property of laminated bamboo composites
P-46	Sho Nonaka, Kenji Umemura, Shuichi Kawai, Teruo Kimura	Properties of binderless composites made from Japanese Cypress shavings

Wood Culture and Science Kyoto 2011
(The 177th Symposium on Sustainable Humanosphere)

Program of the Plenary Presentations

7th August, 2011, 13:30 – 17:30
Kihada-Hall, Uji-Obaku Plaza, Kyoto University

13:30 – 13:50

OPENING REMARKS

Professor Shuichi Kawai

Chairperson of the Conference Committee

Professor Toshitaka Tsuda

Director

Research Institute for Sustainable Humanosphere, Kyoto University

13:50 – 14:30

LECTURE 1: "Assessing and Monitoring Italian Renaissance Panel Paintings
with a special reference to Mona Lisa"

Professor Luca Uzielli

University of Florence

14:30 – 15:10

LECTURE 2: "Wood Identification of Excavated Wood from the Ma Wang Dui
and Lao Shan Han Dynasty Tombs in China"

Professor Jiang Xiaomei

Chinese Academy of Forestry

15:10 – 15:30: Coffee Break

15:30 – 16:10

LECTURE 3: "Wisdom of Carpenter for Japanese Traditional Wooden
Architecture"

Mr. Masao Nishizawa

Japan Association for the Traditional Construction Arts (JAPTCA)

16:10 – 16:50

LECTURE 4: “Conservation and Repair of Wooden Sculptures – roles and practices of the Conservation Center for Cultural Properties”

Mr. Sei-ichi Fujimoto

Bijyutsuin

16:50 – 17:30

LECTURE 5: “Sustainable Science in Wood Culture –recent activities”

Professor Junji Sugiyama

Research Institute for Sustainable Humanosphere, Kyoto University

Oral Sessions

8 August, 2011

Room A: Kihada Hall, 9:00 – 17:20		Room B: Seminar Room 4 & 5, 10:40 – 17:40		Room C: Seminar Room 1 & 2, 11:00 – 16:00	
9:00	Amin Nawahda, Samar Shanti: Future challenge for wood utilization in sustainable environmental planning				
9:20	Sujan Mitra Chakma: Buddhist history and wooden Buddhist art – Traditional Mahayana Buddhist wooden fish art				
9:40	Samar Shanti, Amin Nawahda: Wood lattice work in Islamic architecture “Moucharaby”				
10:00	Klaus Seeland: Trees, wood and human beings – Analogies in the history of civilization				
10:20	Coffee break				
10:40	Suyako Mizuno, Junji Sugiyama: Wood identification of wooden Komainu using synchrotron X-ray microtomography	Pouya Miryousefi Maafi: Guilan’s timber structures			
11:00	M. Fioravanti, G. Di Giulio, G. Signorini, G. Galotta, C. Capretti : Wood identification in cultural heritage: methods and quantitative analysis	Pouya Miryousefi Maafi: Manifestation of symbols and beliefs in Guilan wooden cultural heritages			Wei Xiang, Xu Jianying, Lu Shasha: Dehydration of wood and bamboo tablets using a new alcohol-ether method
11:20	Peter Kitin, Jan Van den Bulcke, Tomoyuki Fujii, Katsuhiko Takata, Hans Beeckman, Joris Van Acker, Barbara Lachenbruch: Little invasive or non-invasive imaging of the microstructure of wooden archeological objects by microscopy and X-Ray tomography	Pouya Miryousefi Maafi: Conservation and revitalization of wooden cultural heritages via eco museums – Case study Mirsayar house			Lukasz Bratasz, Bartosz Rachwał, Lukasz Lasyk, Michal Łukomski, Roman Kozłowski: Analysis of fatigue processes in painted wood
11:40	M. Fioravanti, G. Gallo, G. Di Giulio, A. Salvini, S. Ceccarelli : Soft drying techniques applied to conservation of waterlogged archaeological wood				Michał Łukomski, Lukasz Bratasz, Marcin Strojceki: Understanding the response of painted wood to the environmental impacts: a path to rational strategies for the collection care
12:00	Lunch time				
13:00	Keynote Lecture: Yoon Soo Kim Wooden cultural heritages in Korea: Current status of conservation policies and deterioration agents chaired by Shuichi Kawai				
13:35					
13:40	Mechtild Mertz: Traditional use of oaks in Japan	Misao Yokoyama, Joseph Gril, Miyuki Matsuo, Hiroyuki Yano, Junji Sugiyama, Bruno Clair, Takumi Mitsutani, Minoru Sakamoto, Mineo Imamura, Shigeru Kubodera, Shuichi Kawai: Wood aging on mechanical properties			Kenichi Azuma, Katsuyasu Kouda, Masashi Nakamura, Saeko Fujita, Yoshio Tsujino, Michiko Uebori, Junko Kusaki, Shigeto Inoue, Shuichi Kawai: Effects of emissions from cedar timber on psychological and physiological factors in indoor environment
14:00	Kazuo Terada, Noriko Kagemori, Shuichi Kawai, Yance Mandang, Rashmi Srivastava, Yutaka Kagemori: What can fossil wood tell us? – The identification of fossil woods from the Pliocene in West Java, Indonesia	Tsugunori Kimoto, Masahiro Inayama: Primitive construction and modern concept of “Hōryūji-Kondō” with piled timbers and truss system			Joseph Gril, Julien Colmars : Hygromechanics of painted wooden panels from the cultural heritage
14:20	Coffee break				
14:40	Shuichi Noshiro, Mitsuo Suzuki, Yuka Sasaki: Introduction of Toxicodendron verniciflua Stokes (lacquer tree) and its implication during the prehistoric Jomon period in Japan	Xiaolin Yang, Hongyi Lu, Qing Zheng: Chinese tradition timber architecture – A systematic thought to human, nature and society			
15:00	M. Suzuki, S. Noshiro, K. Kobayashi, Y. Sasaki, I. Nishida: Material plants of baskets excavated from the earliest Jomon Higashimyo Site, Kyushu, Japan	Ping Yang, Yoshiyuki Suzuki, Hideo Horie: Computer modeling of structural performance of ladder-like timber beam used in reinforcement of Japanese traditional wooden temple			Rohny Setiawan Maail, Kenji Umemura, Shuichi Kawai: The degradation behavior of wood cement-bonded board
15:20	Asensi Amorós, V.: Egyptian woods database: identifications, use and trade – The example of Fustat Istabl’antar (Islamic Period)	Hongyi Lu, Ping Zhang, Xiaolin Yang: The exquisite way of “Jian Jia” – Study on the space logic of Chinese traditional timber architecture			Boris Dodji Kassene, Tianfu Deng, Jianchu Mo: Baiting trials to protect historical wooden houses against <i>Odontotermes formosanus</i> (Isoptera: Termitidae)
15:40		Hideaki Tanahashi, Yu Ooka, Kazuyuki Izuno, Yoshiyuki Suzuki: Seismic characteristics of traditional wooden architectures in cultural heritage in Japan			R. Rashmi, Shanbhag, R. Sundararaj: Natural durability of some exotic timbers against termites
16:00	Coffee break				
16:20	Takao Itoh, Mechtild Mertz, Biao Pan, Dagang Li and Jiayan Luo: Wood species related to Mongolian fleet, unearthed from Takashima underwater site, Nagasaki, Japan	Sang-Joon Lee, Chul-Ki Kim, Ki-Bok Kim, Jun-Jae Lee: Application of the NDE for reuse of disassembled wooden members from ancient building			
16:40	Yong Hee Yoon, Yojung Kim, T. Mitsutani, Whan Suk Moon, Won-Kyu Park: Species identification and tree-ring dating of wooded boxes excavated from Shinan Shipwreck, Korea	Le Conte Sandie: The use of multidisciplinary mechanical tools for the reconstruction of the Erard Piano in Musée de la musique			
17:00	M. Imamura, M. Sakamoto, H. Ozaki, H. Matsuzaki, M. Yokoyama, S. Kawai: Variation of 14C in tree-rings and its application to precision dating for archaeological and historical wooden structures of Japan	Akihisa Kitamori, Kiho Jung, Yasuo Kataoka, Kohei Komatsu: Utilization of unique nature of compressed wood for the reinforcement of traditional timber buildings			
17:20		Yulianto P Prihatmaji, Akihisa Kitamori, Shoichi Nakashima, Satoru Murakami, Kohei Komatsu: Mechanical analysis of rotation performance of Javanese traditional timber joint			
17:40					

Oral Session 8 August, 2011

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11:40		M. Fioravanti, G. Gallo, G. Di Giulio, A. Salvini, S. Ceccarelli	Soft drying techniques applied to conservation of waterlogged archaeological wood
12:00	Lunch time		
13:00	Shuichi Kawai	Keynote Lecture	Wooden cultural heritages in Korea:
13:35		Yoon Soo Kim	Current status of conservation policies and deterioration agents
13:40	Suyako Mizuno	Mechtild Mertz	Traditional use of oaks in Japan
14:00		Kazuo Terada, Noriko Kagemori, Shuichi Kawai, Yance Mandang, Rashmi Srivastava, Yutaka Kagemori	What can fossil wood tell us? – The identification of fossil woods from the Pliocene in West Java, Indonesia
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15:00		M. Suzuki, S. Noshiro, K. Kobayashi, Y. Sasaki, I. Nishida	Material plants and baskets excavated from the earliest Jomon Higashimyo Site, Kyushu, Japan
15:20		Asensi Amoros, V.	Egyptian woods database: identifications, use and trade – The example of Fustat Istabl'antar (Islamic Period)
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16:00	Coffee break		
16:20	Mechtild Mertz	Takao Itoh, Mechtild Mertz, Biao Pan, Dagang Li and Jiayan Luo	Wood species related to Mongolian fleet, unearthed from Takashima underwater site, Nagasaki, Japan
16:40		Yong Hee Yoon, Yojung Kim, T. Mitsutani, Whan Suk Moon, Won-Kyu Park	Species identification and tree-ring dating of wooded boxes excavated from Shinan Shipwreck, Korea
17:00		M. Imamura, M. Sakamoto, H. Ozaki, H. Matsuzaki, M. Yokoyama, S. Kawai	Variation of 14C in tree-rings and its application to precision dating for archaeological and historical wooden structures of Japan
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Oral Session 8 August, 2011

Room B: Seminar Room 4 & 5, 10:40 – 17:40			
	Chairperson	Author(s)	Title
9:00			
9:20			
9:40			
10:00			
10:20	Coffee break		
10:40	Tsugunori Kimoto	Pouya Miryousefi Maafi	Guilan' s timber structures
11:00		Pouya Miryousefi Maafi	Manifestation of symbols and beliefs in Guilan wooden cultural heritages
11:20		Pouya Miryousefi Maafi	Conservation and revitalization of wooden cultural heritages via eco museums – Case study Mirsayar house
11:40			
12:00	Lunch time		
13:00			
13:40	Yoshihisa Fujii	Misao Yokoyama, Joseph Gril, Miyuki Matsuo, Hiroyuki Yano, Junji Sugiyama, Bruno Clair, Takumi Mitsutani, Minoru Sakamoto, Mineo Imamura, Shigeru Kubodera, Shuichi Kawai	Wood aging on mechanical properties
14:00		Tsugunori Kimoto, Masahiro Inayama	Primitive construction and modern concept of “Hōryūji-Kondō” with piled timbers and truss system
14:20	Coffee break		
14:40	Akihisa Kitamori	Xiaolin Yang, Hongyi Lu, Qing Zheng	Chinese tradition timber architecture –A systematic thought to human, nature and society
15:00		Ping Yang, Yoshiyuki Suzuki, Hideo Horie	Computer modeling of structural performance of ladder-like timber beam used in reinforcement of Japanese traditional wooden temple
15:20		Hongyi Lu, Ping Zhang, Xiaolin Yang	The exquisite way of “Jian Jia” – Study on the space logic of Chinese traditional timber architecture
15:40		Hideaki Tanahashi, Yu Ooka, Kazuyuki Izuno, Yoshiyuki Suzuki	Seismic characteristics of traditional wooden architectures in cultural heritage in Japan
16:00	Coffee break		
16:20	Hiroyuki Yano	Sang-Joon Lee, Chul-Ki Kim, Ki-Bok Kim, Jun-Jae Lee	Application of the NDE for reuse of disassembled wooden members from ancient building
16:40		Le Conte Sandie	The use of multidisciplinary mechanical tools for the reconstruction of the Erard Piano in Musée de la musique
17:00		Akihisa Kitamori, Kiho Jung, Yasuo Kataoka, Kohei Komatsu	Utilization of unique nature of compressed wood for the reinforcement of traditional timber buildings
17:20		Yulianto P Prihatmaji, Akihisa Kitamori, Shoichi Nakashima, Satoru Murakami, Kohei Komatsu	Mechanical analysis of rotation performance of Javanese traditional timber joint
17:40			

Oral Session 22 March, 2011

Room C: Room 1 & 2, 11:00 – 16:00		
	Chairperson	Author(s) Title
9:00		
9:20		
9:40		
10:00		
10:20	Coffee break	
10:40		
11:00	Toshiro Morooka	Wei Xiang, Xu Jianying, Lu Shasha Dehydration of wood and bamboo tablets using a new alcohol-ether method
11:20		Łukasz Bratasz, Bartosz Rachwał, Łukasz Lasyk, Michał Łukomski, Roman Kozłowski Analysis of fatigue processes in painted wood
11:40		Michał Łukomski, Łukasz Bratasz, Marcin Strojcecki Understanding the response of painted wood to the environmental impacts: a path to rational strategies for the collection care
12:00	Lunch time	
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13:40	Masashi Nakamura	Kenichi Azuma, Katsuyasu Kouda, Masashi Nakamura, Saeko Fujita, Yoshio Tsujino, Michiko Uebori, Junko Kusaki, Shigeto Inoue, Shuichi Kawai Effects of emissions from cedar timber on psychological and physiological factors in indoor environment
14:00		Joseph Gril, Julien Colmars Hygromechanics of painted wooden panels from the cultural heritage
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15:00	Tsuyoshi Yoshimura	Rohny Setiawan Maail, Kenji Umemura, Shuichi Kawai The degradation behavior of wood cement-bonded board
15:20		Boris Dodji Kassaney, Tianfu Deng, Jianchu Mo Baiting trials to protect historical wooden houses against <i>Odontotermes formosanus</i> (Isoptera: Termitidae)
15:40		R. Rashmi, Shanbhag, R. Sundararaj Natural durability of some exotic timbers against termites
16:00	Coffee break	
16:20		
16:40		
17:00		
17:20		