

I.W. Bailey Award ceremony at the Japan Wood Society Meeting

Dr. Hiromi Shibui of Hokkaido University received the I.W. Bailey Award 2017, and a prize of 1,000 EUR was awarded. The award ceremony and the lecture were held prior to the research meeting of wood anatomy and wood properties at the 68th Japan Wood Society meeting on March 16, 2018. Dr. Shibui received the certificate from Dr. Hisashi Abe, IAWA Deputy Executive Secretary. The winning paper, "Hiromi Shibui & Yuzou Sano: Structure and formation of phellem of *Betula maximowicziana*", IAWA Journal 39-1 (2018) 18–36; DOI 10.1163 /22941932-20170186, analyzed seasonal development of phellem, and clearly showed that the annual increment of phellem in *Betula* was composed of a thin-walled cell layer and a thicker layer of thick-walled cells.

Yasuhiro Utsumi, Japan



Dr. Hiromi Shibui receives a certificate from Dr. Hisashi Abe.

Successful World Wood Day Symposium 2018 in Cambodia and IAWA participation in WWD 2019

From 21 to 24 March, the World Wood Day Foundation staged a successful symposium on “Wood for Life” in Siem Reap, Cambodia. The symposium addressed a diversity of topics such as historical use and cultural values of wood; traditional knowledge, innovation and practice; natural landscape and biodiversity conservation; art, design and musical instruments; and wood and environmental education. The interface between wood culture and wood anatomy was addressed in presentations by Michael Grabner, Rosalie Calapis Mendoza, Andrew Wong, and Pieter Baas. The WWD Symposium also included a symposium co-convened by the IUFRO Forest Products Culture Research group and was embedded in a full week of wood craft activities and musical performances on a huge array of wooden instruments. An excursion to the world heritage temples of Angkor Wat and the surrounding forest was a special highlight. Next year’s WWD will be celebrated in Graz, Austria and be convened by IAWA member Michael Grabner. IAWA, IAWS and IUFRO will actively participate in the 2019 symposium organization. Further details will be announced as soon as possible.

Pieter Baas, Netherlands



Delegates of the WWD Symposium in Siem Reap.

10th World Dendro Conference, June 10–15, 2018 in Bhutan

The 10th World Dendro Conference will be held in June 2018 in Thimphu, Bhutan. In addition to the traditional session topics in Dendrochronology, this tree-ring conference will extend a special invitation to those working in developing countries, and on climate change impacts in mountain environments. In addition to the conference, the program offers a Pre-conference fieldweek from June 2–9, Pre-conference workshops on June 9, and Post-conference excursions from June 16–21. Please check

<https://www.geog.cam.ac.uk/events/worlddendro2018>

Eryuan Liang, China

Plasticity in Plant Vascular Systems: Roles, Limits and Consequences, June 2018, USA

This is the second annual meeting of the Gordon Research Conference (GRC) on Multiscale Plant Vascular Biology, to be held in West Dover, Vermont, USA from June 17–22, 2018. The theme is Plasticity in Plant Vascular Systems: Roles, Limits and Consequences. This conference will focus on the roles and limits of phenotypic plasticity and trait variation in plant vascular systems on plants, populations, and ecosystems at multiple scales. The Conference will be preceded by the 2018 Gordon Research Seminar (GRS), a two-day forum for graduate students, post-docs and other scientists with comparable levels of experience and education to present their research and share ideas. This event will focus on the Knowns and Unknowns of Plant Vascular Responses to Environmental Change and will be held from June 16–17, 2018. The GRS is co-chaired by Jessica Gersony, Harvard University and Jennifer Teshera-Levy, University of Minnesota. Specific topics of interest in GRC to IAWA members include vessel development, tree-ring plasticity, vessel dimensions and scaling relationships, and the evolution of woodiness, among others. Confirmed speakers include Anna Jacobsen (California State University, USA), Lenka Plavcova (University of Hradec Králová, Czech Republic) and Frederic Lens (Naturalis Biodiversity Center, The Netherlands). More information can be found at

<https://www.grc.org/multiscale-plant-vascular-biology-conference/2018/>

Rachel Spicer and Jarmila Pittermann, USA

The Biology of Wood: from Cell to Trees, July 2018, USA

The 42nd New Phytologist Symposium will be held in Lake Tahoe, California, USA, July 10–12, 2018. The symposium will focus on the structure, function and development of wood at variety of scales and is being organized by Andrew Groover (USDA Forest Service and University of California, Davis) and Shawn Mansfield (University of British Columbia). Session topics include anatomy, physiology and biochemistry; cell biology; ecology and evolution; and genomics and bioinformatics. Confirmed speakers include Lacy Samuels (Keynote speaker, University of British Columbia), Taku Demura (NARA Institute of Science and Technology, Japan), Juan Du (Zhejiang University, China), Noel Michele Holbrook (Harvard University, USA) and Hannele Tuominen (Umeå University, Sweden). For more details and registration please visit <https://www.newphytologist.org/symposia/42>

Rachel Spicer, USA

Plant Biology 2018 in Québec, Canada, July 2018

Plant Biology 2018 will be held in Québec, Canada from July 14–18, 2018. It is a joint meeting of the American Society of Plant Biologists, Canadian Society of Plant Biologists/Société Canadienne de Biologie Végétale, and the International Society of Photosynthesis Research at the Palais des Congrès de Montréal, Québec. Topics of major symposia include translational science, integrating signals in plant cell biology and development, modern plant biological techniques, ecophysiology of photosynthesis as well as mechanisms of genome evolution. The conference also offers concurrent symposia and workshops. Please check the conference website for more information: <https://plantbiology.aspb.org/>

Shan Li, China

Botany 2018 in Minnesota, USA, July 2018

The Botany 2018 conference will be held in Rochester, Minnesota, USA on July 21–25, 2018. Sections cover plant development and structure, ecology, economic botany, ferns, bryophytes, lichens, genetics, biogeography, paleobotany, ecophysiology, etc. The conference includes symposia and colloquia, workshops, field trips as well as awards from different sections. IAWA Symposium “100 years of Baileyian Trends – Wood Evolution, Function and Future” will be held in the morning of July 24th, organized by Cynthia Jones, Elizabeth Wheeler, and Pieter Baas. Early-bird registration ends on June 1st. Please check the website for detailed information: <http://www.botanyconference.org/>

Shan Li, China

10th European Palaeobotany & Palynology Conference (EPPC), August 12–17, 2018, University College Dublin

IAWA will sponsor a general session "Fossil Woods: New Results and Perspective." Conveners are Anais Boura, Université Pierre et Marie Curie, Paris, France, and Anne-Laure Decombeix, CNRS-UMR AMAP, Montpellier, France, focusing on several aspects of the study of fossil wood and bark anatomy, ranging from the description of new taxa to the use of wood to reconstruct the diversity, biology, and/or environment of fossil plants. We also invite contributions that aim to move forward the taxonomy of fossil woods, introduce new methods of analysis, or advance the conservation of fossil specimens and sites. Studies that focus more specifically on the timing and phylogeny of functional traits in wood can be submitted in our sister IAWA-sponsored symposium "The Timing and Phylogeny of Functional Traits in Wood." Conveners are Lisa Boucher, University of Texas, USA, and Nathan Jud, Cornell University, USA. This session will focus on aspects of the timing and phylogenetic placement of functional traits in the evolution of secondary xylem including, but not limited to: trends in the appearance of traits in the fossil record; combinations of characters in phylogenetic lineages; novel traits as adaptations to environmental or niche shifts; evolution of trait correlations; and phylogenetic constraints on wood evolution. Please check: <http://eppc2018.ie/call-for-abstracts> *Elisabeth Wheeler, USA*

IAWS Plenary Meeting, October 15–19, 2018, Guadalajara, Mexico

The next IAWS (International Academy of Wood Science) Plenary Meeting will take place in Guadalajara, Jalisco, Mexico, October 15–19, 2018. The meeting will be sponsored and hosted by the Department of Wood, Cellulose and Paper, "Ing. Karl Augustin Grellmann", University of Guadalajara. This IAWS meeting will be associated with the local organizations and IAWA. It will be the first time the IAWS has had a meeting in Mexico. The program includes such technical topics as biorefining, nanotechnology, wood physics, wood chemistry, anatomy, genetics, composites and durability, and marketing. Please contact Robert Evans (robertxevans@gmail.com) for more details. *Robert Evans, Australia*

XII Latin American Congress of Botany – XII Congreso Latinoamericano de Botánica, October 21–15, Quito, Ecuador

The most prestigious meeting of Latin American botanists is programmed to take place in Quito, Ecuador, October 2018. The IAWA will host a symposium titled "Wood and Bark: structure and function", organized by Fidel Roig (CONICET– Argentina) and Teresa Terrazas (UNAM – Mexico). Registrations with a 25% discount are open until September 31st, 2018. *Marcelo R. Pace, Mexico*

2nd "Underwater Archeology, Ningbo Forum", October 2018, in Ningbo, China

The 2nd "Underwater Archeology, Ningbo Forum", in cooperation with the National Center of Underwater Cultural Heritage, Ningbo Municipal Institute of Cultural Relics and Archaeology, and China Port Museum, will be held 16–18 October, 2018 in Ningbo, China. Protection of waterlogged wooden heritage is one of the forum topics. *Juan Guo, China*

13th Joint Seminar of China-Korea-Japan on Wood Quality and Utilization, 2018, in Nanjing, China

The 13th Joint Seminar of China-Korea-Japan on Wood Quality and Utilization of Domestic Species will be held on October 25–27, 2018, at Nanjing Forestry University, Jiangsu province of China. The aim of the conference is to provide an international forum for researchers to exchange the latest research results, technological advances and experiences related to wood quality and utilization of domestic species from China, Korea, Japan and other countries. The main topics include wood formation and ecological wood anatomy, structure, quality and utilization of wood, bamboo and rattan, wood utilization and environment and wood processing technology. Please contact the Seminar Secretary: ckj2018@njfu.edu.cn for more details.

The Academic Symposium on the Protection and Investigation of Lacquer-Wooden Wares of Chu and Han Dynasties, October 2018, in Yangzhou, China

The Academic Symposium on the Protection and Investigation of Lacquer-Wooden Wares of Chu and Han Dynasties will be held on 25–28 October, 2018, at Yangzhou Conference Center, Yangzhou Museum, China.

Juan Guo, China

61st SWST International Convention, November 5–9, 2018, in Nagoya, Japan

The 61st Society of Wood Science and Technology (SWST) International Convention, in cooperation with the Japan Wood Research Society (JWRS) and Nagoya University, will be held on November 5–9, 2018, at the Noyori Conference Hall, Nagoya University, Nagoya, Japan. The overall theme is “Era of a Sustainable World – Tradition and Innovation for Wood Science and Technology”. More information can be found at <http://www.swst.org/wp/meeting/2018-swstjwrs-international-convention/>

Juan Guo, China

5th IAWA-China Group annual meeting in Fuzhou, China

The fifth IAWA-China Group Annual Meeting will be held at Fuzhou city, Fujian Province of China, 23 and 24 November, 2018, organized by the Fujian Agriculture and Forestry University.

Biao Pan and Jinguo Lin, China

The 18th International Course on Wood Anatomy of Tree Rings

The 18th International Course on Wood Anatomy of Tree Rings "Wood Anatomy and Tree-Ring Ecology 2018" will be held on November 26 to December 1, 2018, in KlostersDorf, Switzerland. The course is organized by Holger Gärtner, Alan Crivellaro and Fritz H. Schweingruber. The deadline for registration is October 1, 2018. Acceptance of participation will be done on a first come, first served basis. Please contact Holger Gärtner (holger.gaertner@wsl.ch) for registration. More details and information update can be found at:

<https://www.wsl.ch/en/about-wsl/events/courses/international-course-on-wood-anatomy-tree-ring-ecology-2018.html>

Holger Gärtner, Switzerland

Wood anatomy: an African perspective, January 2019, at the University of Johannesburg, South Africa

This symposium “Wood anatomy: an African perspective” will be held on 7–10 January 2019 in Johannesburg, South Africa, at the annual Conference of the South African Association of Botanists (SAAB). The program will include varied topics related to wood and bark anatomy, including structural diversity, formation, functions, evolution and identification of these tissues with the focus on the exploration of African woody plants. The symposium will be associated with IAWA. For more details please contact Alexei Oskolski (aoskolski@uj.ac.za).

Alexei Oskolski, South Africa

IAWA - IUFRO International Symposium: Challenges and Opportunities for Updating Wood Identification, 21–23 May 2019, Beijing, China

The IAWA-IUFRO International Symposium: Challenges and Opportunities for Updating Wood Identification will be held on May 21–23, 2019 in Beijing, China. The symposium co-organized by the Research Institute of Wood Industry, Chinese Academy of Forestry and the Forest Products Laboratory, Forest Service, USA, is an update and follow-up meeting to the IAWA-IAWS-IUFRO Conference of June 23–26, 2010 in Madison, USA and the Regional workshop for Asia-Pacific "Identification of Timber Species and Origins" of August 20–21, 2013 in Beijing, China. This meeting will bring together scientists and key stakeholders concerned about promoting legal logging and associated trade, and reducing negative impacts on environmental and social sustainability. The goals are to reinforce the research network, to ensure legal timber trade, and to curb illegal and unsustainable logging by facilitating and promoting the integrated use of different wood identification techniques. The symposium will be associated with IAWA and IUFRO. Please contact Yafang Yin (yafang@caf.ac.cn) and Alex Wiedenhoeff (acwieden@wisc.edu) for more details.

The IAWA Website has been transferred to Madison, USA

After more than a year of multiple attempts to transfer the IAWA domain name (iawa-website.org) from the Naturalis Biodiversity Center, Netherlands to China and further to build a new IAWA website in China, the IAWA domain name has been transferred to and is now hosted in Madison, USA. Work to test and post the newly designed website is underway, but the existing site will remain in place until the new content is ready. Please refer to our quarterly periodical Newsletter for the latest IAWA Association affairs and Wood Anatomy news.

Call for Newsletter items

Please send any news items you wish to share with the whole IAWA Membership to the newsletter editor Yafang Yin (yafang@caf.ac.cn). Alex Wiedenhoef and Emma van Nieuwkoop are acknowledged to provide their help on edit of the newsletter.

Contents of IAWA Journal 39 (2), 2018: 145–248

- V. De Micco, E. Zalloni, G. Battipaglia, A. Erbaggio, P. Scognamiglio, R. Caputo, & C. Cirillo
Rootstock effect on tree-ring traits in grapevine under a climate change scenario – 145
- T.V. Tarelkina, L.L. Novitskaya, & N.N. Nikolaeva
Effect of sucrose exposure on the xylem anatomy of three temperate species – 156
- R.T. Schott & A. Roth-Nebelsick
Ice nucleation in stems of trees and shrubs with different frost resistance – 177
- A.B. Wilczek, M. Iqbal, W. Włoch, & M. Klisz
Geometric analysis of intrusive growth of wood fibres in *Robinia pseudoacacia* – 191
- O. Troncoso & A. Greslebin
Trabeculae in Patagonian mountain cypress (*Austrocedrus chilensis*) associated with *Phytophthora austrocedri* infection – 209
- E.L. Kotina, P.M. Tilney, A.E. van Wyk, A.A. Oskolski, & B-E. van Wyk
“Hairy” bark in *Lannea schweinfurthii* (Anacardiaceae): hyperhydric-like tissue formed under arid conditions – 221
- V. Račko, O. Mišíková, J. Štefková, & I. Čunderlík
A fast method to prepare microslides of wood in advanced stages of decay – 234
- Book reviews – 244