

Future Meetings

EuroDendro 2019 Conference

The forthcoming EuroDendro 2019 Conference organized by Mendel University, will take place on 9-13 September 2019 in Brno, Czech Republic. The EuroDendro meeting is one of the most renowned dendro-platforms focusing on the recent breakthroughs of tree-ring research and related subjects. Please visit <http://eurodendro2019.mendelu.cz/>.

Kyriaki Giagli, Czech Republic

Plant anatomy symposium in Moscow, Russia, September 16-21, 2019

A symposium on plant anatomy will be held in Moscow, Russia, September 16-21, 2019, dedicated to Prof. Lotova's 90th anniversary: <http://msu-botany.ru/conf-lotova2019/>. As Prof. Lotova is a bark anatomist, the attendance of bark and wood experts is especially welcome.

Alexei A. Oskolski, South Africa

4th Xylem International Meeting, 25-27 September 2019, Padua, Italy

The 4th Xylem International Meeting takes place in the Botanical Garden of the University of Padua, from September 25 to 27, 2019. The aim of XIM4 is to advance the knowledge on the integration of these structures in contributing to the overall efficiency of the water transport system, but also in determining susceptibility to hydraulic dysfunctions caused by the environmental variability. Please check the website <http://intra.tesaf.unipd.it/CMS/xim/default.asp>.

Giai Petit, Italy

Wood Identification Session of IUFRO Congress in Curitiba, Brazil, September 30, 2019

A IUFRO Session (C3i) titled LPF/SFB - IAWA Panel Discussion "New Methods and Applications of Tropical Timber Identification to Promote Legal Logging" under the congress theme of "Forests and Forest Products for a Greener Future" will be organized on September 30, 2019 during the IUFRO Congress 2019 to be held in Curitiba, Brazil. The session is chaired by Vera Coradin, Tereza Pastore and Yafang Yin. Please visit <http://www.iufro2019.org/>.

ICWSE 2019, Brasov, Romania, November 07-09, 2019

The 12th edition of the International Conference "Wood Science and Engineering in the Third Millennium" – ICWSE 2019, will be held in Brasov, Romania, from 07-09 November 2019. Please visit the conference website http://www.proligno.ro/en/icwse_home.htm.

Lidia Gurau & Mihaela Campean

6th IAWA-China Group Annual Meeting in Hefei, China, November 23-24, 2019

The sixth IAWA-China Group annual meeting will be held at Hefei city, Anhui Province of China, 23 and 24 November, 2019, organized by the Anhui Agricultural University. The theme of the meeting is "Consolidating interdisciplinary research to integrate and promote wood anatomy development". The Excellent Presentation Awards of the IAWA-China Group will be provided to qualified students during the meeting. Please contact Min Yu: yuminwood@163.com for more details.

Shan Li, China

World Wood Day, Japan, 21 March 2020

Next year's World Wood Day will be held in Tokyo, Japan. The programme will again include a symposium on all aspects of wood culture, including wood identification and wood anatomy. Follow the news on <http://www.worldwoodday.org>.

IAWA Fossil Wood Symposium in Prague, Czech Republic, 12-19 September 2020

An IAWA Fossil Wood Symposium will be organized during the XIth IOPC (International Organization of Palaeobotany Conference) held conjunctly with the XV International Palynological Congress. The IAWA Symposium will be convened by Dr. Jakub Sakala. Jakub will also be organizing an IAWA Social Hour and supper in the famous Carthusian Monastery (1628) in Melnik, just outside Prague, where IAWA has been previously hosted at a European Paleobotanical Conference.

Pieter Baas, the Netherlands

Meeting Reports

Annual Meeting of the Association of Tree Ring Research - TRACE 2019, 7-11 May 2019, San Leucio, Italy

The Annual Meeting of the Association of Tree Ring Research -TRACE 2019 - was held in San Leucio, Southern Italy from 7 to 11 May 2019. Hosted by the Dendrolab of the University of Campania "L. Vanvitelli", TRACE 2019 has been a forum for scientists and students that use tree rings as a proxy for climatological, environmental, physiological, ecological, and historical information.

With the Motto "From local to global, from molecule to forest stands, from days to millennia", 205 participants from 33 countries met to discuss the new challenges offered by dendrosciences to study vegetation dynamics and plant responses to climate changes.

A special session "Wood anatomy meets Dendro Sciences", organized in cooperation with IAWA, was dedicated to wood anatomy and its link with the dendrostudies. The chair, Veronica De Micco, opened the session, underlying the necessity of a multidisciplinary approach where wood anatomy has the key role to gather environmental information that is translated into functional wood traits during plant growth and then remains stored into wood.



Left: Scientists joining the Annual Meeting of the Association of Tree Ring Research -TRACE 2019 in San Leucio. Right: Veronica De Micco, Giovanna Battipaglia, Ute Sass-Klaassen and Hans Beeckman during the "Wood anatomy meets Dendro Sciences" Session.

The keynote speaker, Hans Beeckman, with his talk "Is there a good reason to consider dendrochronology and wood anatomy as separate disciplines?" highlighted the need to integrate dendrochronology and Ecological wood anatomy into a trait-based Ecology in order to strengthen the relevance of each.

The oral presentations and the posters offered a stimulating overview on the current research studies and regarded hot themes including: xylogenesis, monitoring of intra-seasonal anatomical variability, relations between functional wood traits and climate drivers as well as new methods and approaches in wood anatomical studies.

The success of this session confirmed the great interest that this topic offers adding further evidence towards the need of a strict cooperation between wood anatomy and dendrochronology.

Giovanna Battipaglia, Italy (chair of TRACE 2019)

IAWA-IUFRO International Symposium: Challenges and Opportunities for Updating Wood Identification, May 20-22, 2019, China

On May 20-22, 2019, the IAWA-IUFRO International Symposium on challenges and opportunities for updating wood identification was held in China. The symposium, which was co-organized by the Research Institute of Wood Industry (CRIWI), Chinese Academy of Forestry (CAF) and US Forest Products Laboratory (FPL) was very successful. The European Forest Institute (EFI) and Global Timber Tracking Network (GTTN) co-supported part of the participants and the technical excursion of the symposium.



Group photo of the IAWA-IUFRO symposium 2019 in China.

The meeting had 4 invited keynote lectures, 25 oral presentations belonging to 6 technical sessions, and poster presentations. There were 90 participants from 11 countries registered for the meeting, of which 30 participants were from outside China. Gerald Koch from the Thünen Institute of Wood Research, Hamburg, gave a keynote lecture on “Wood anatomy - The role of macroscopic and microscopic wood identification to combat illegal logging and trading” and introduced interesting wood identification databases called “ThmacroHOLZdata” and “CITESwoodID”. Soon Leong Lee from the Forest Research Institute Malaysia (FRIM) gave a keynote lecture on “Application of DNA forensic technology developed by FRIM for timber tracking” from case studies; Michael Wiemann from the Forest Products Laboratory in Madison, Wisconsin, gave an introduction on “Wood Anatomy Research of the USDA Forest Products Laboratory” and Yafang Yin from the Research Institute of Wood Industry, Chinese Academy of Forestry, gave a keynote lecture on “The challenge of wood identification in China: from traditional anatomy to new auxiliary methods”, introducing different cutting-edge wood identification techniques. During the symposium, oral presentations and posters focused on recent advances on wood image analysis and database establishment, DNA barcoding techniques, chemical fingerprint techniques as well as policy implementation. The symposium also included issues on how to combat with illegal logging, new techniques of wood identification, and global timber tracking techniques.

On May 23, 2019, GTTN with IAWA together successively organized an Asian Workshop of GTTN-IAWA Application on timber tracking network at the same venue as the IAWA-IUFRO Symposium.

These back-to-back meetings with three full days focused on wood-ID science and application, were a fruitful result of the cooperation among CAF, IAWA, IUFRO and GTTN.

Open access of oral presentations for the IAWA-IUFRO International Symposium has been available on the IAWA website:

http://www.iawa-website.org/en/News/Open_access_of_IAWA_IUFRO_symposium_2019_presentations.shtml.

Shan Li, China

Miscellaneous News

Update from the New Editors-in-Chief of IAWA Journal

Over the past few months the new editors-in-chief, Lloyd Donaldson (New Zealand) and Marcelo Pace (Mexico), have taken an increasing role in handling manuscripts under the careful supervision of Pieter Baas. Most manuscripts of IAWA Journal are now being copy-edited directly by Marc Jarmuszewski and the team at Brill Publishing as desk-editor Emmy van Nieuwkoop retires later in the year and is now dealing with the remaining issues of Vol. 40. From Vol. 41 (2020) the journal will change to a slightly larger format with the standard Brill font although the layout of manuscripts will remain the same. Both Pieter Baas and Elisabeth Wheeler will retire as Editors-in-Chief at the end of this year but will continue as associate editors. We would like to take this opportunity to thank Pieter, Elisabeth and Emmy for their many years of service for the journal.

Lloyd Donaldson, New Zealand and Marcelo Pace, Mexico

The 2018 impact factor of IAWA Journal is released

On June 20, 2019, the Institute for Scientific Information (ISI) released the Journal Citation Reports (JCR) and impact factors for 2019. The impact factor of IAWA Journal, sponsored by the International Association of Wood Anatomists, is 3.182 in 2018. It is a significant improvement compared with 2017 (1.903), 2016 (0.403), 2015 (1.043) and 2014 (1.074). *With its new impact factor the IAWA Journal is now the Top One Journal in Wood Science.*

IAWA Journal Special Issue 2020 on Advancing Wood Identification

To leverage the success of the IAWA-IUFRO International Symposium on Wood Identification recently held in Beijing, IAWA Journal is organizing a Special Issue called “Challenges and Opportunities for Advancing Wood Identification: from Traditional Wood Anatomy to Novel Applications of Technology” to be edited by Yafang Yin, Alex Wiedenhoeft and Lloyd Donaldson. Participants in the Beijing symposium, IAWA members, and others are invited to contribute reviews, original research articles, and viewpoint papers relating to wood identification and wood forensics with a special emphasis on recent advances in wood anatomy and multidisciplinary approaches. The deadline to submit manuscripts for consideration in the Special Issue is February 15, 2020. We expect to publish this Special Issue as IAWA Journal Volume 41, Issue 4 (2020). Please contact the editors Yafang Yin (yafang@caf.ac.cn), Alex Wiedenhoeft (acwieden@wisc.edu), or Lloyd Donaldson (lloyd.donaldson@scionresearch.com) to indicate your interest and the topics your manuscript will address - the editors will strive to include a balanced group of high-quality papers. Manuscripts can be submitted to the IAWA Journal at <https://www.editorialmanager.com/iawa/default.aspx>. Please indicate in the cover letter your wish to be included in this Special Issue.

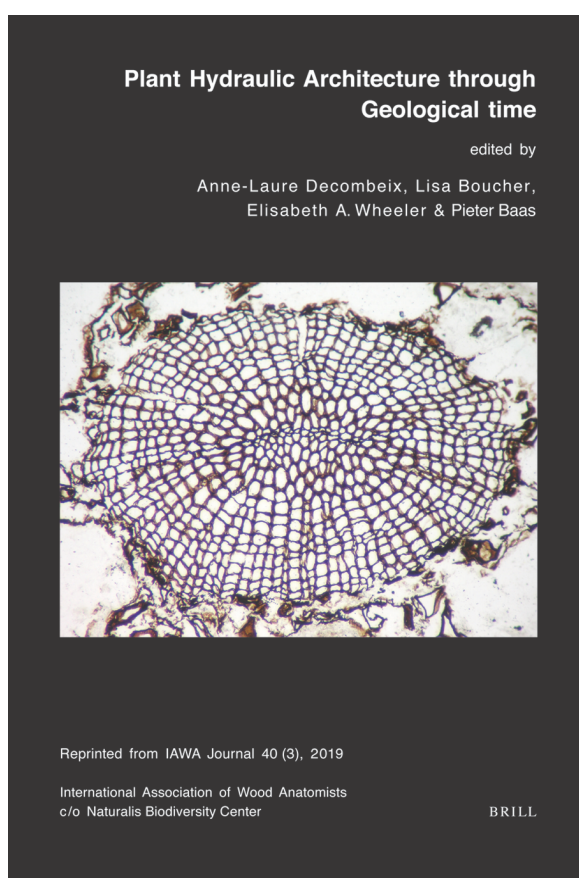
Lichao Jiao and Tuo He, China

Special Offers of IAWA Publications

Most stocks of IAWA Journal special issues and IAWA Journal supplements are currently housed in Leiderdorp, the Netherlands. IAWA Members have the opportunity to order any of these publications, including the special issues currently produced (see below) at the highly reduced price of EUR 10 each. Please order with the IAWA financial office (iawa.financial.office@gmail.com) or Emma van Nieuwkoop (eevn33@kpnmail.nl). Bulk orders of the IAWA Hardwood, Softwood or Bark Lists are possible at even more reduced rates. For special deals, please contact Pieter Baas (Pieter.Baas@naturalis.nl).

Special Issues IAWA Journal 2019

Copies of the special issues of IAWA Journal 40 (2) on *Wood Formation* and 40 (3) on *Hydraulic Architecture* can now be ordered from the IAWA Office in Leiden for the low price of EUR 10 plus postage. Special Issue 40 (4) to appear late 2019 will be devoted to the *Woody Cell Wall*.



PhD scholarships available for students starting in 2020

Applications are invited from candidates interested in pursuing a full-time PhD degree by research within the new Hans Merensky Chair in Advanced Modelling of Eucalyptus Wood Formation (EucXylo) at Stellenbosch University, based in Stellenbosch, South Africa. A wide range of topics are available within the program, and students have great scope to tailor their own research project to their interests and ideas. See <http://blogs.sun.ac.za/eucxylo/> for more information.

Students from a wide range of backgrounds are welcome to apply, including from applied fields like wood science, plant biology, genetics and horticulture, or more basic sciences, including mathematics, biochemistry, physics, chemistry or biology. Please send applications before the end of September 2019, and address any queries to David Drew (drew@sun.ac.za).

David Drew, South Africa

Post-doctoral Fellowship: Advanced Modelling of Wood Formation in Eucalypts

A major part of the post-doctoral fellowship (PDF) will be to take the lead on developing a software-based simulation framework, incorporating multiple interacting algorithms at appropriate scales. The incumbent will assist with the supervision of MSc and PhD students in diverse studies of plant-level physiology, wood formation and analytical technique development. The incumbent will integrate student research findings, as well as results from other, independent research, into the evolving xylogenesis simulation framework. Application closing date: 13 September 2019. Please send by email to David Drew (drew@sun.ac.za) the following documents before the closing date.

David Drew, South Africa

Call for IAWA New Members

At this moment the IAWA has 532 members. IAWA members are encouraged to recruit new members from research communities and industries of forestry, agriculture, botany and other related fields to strengthen the IAWA membership. The way to become IAWA member, please visit IAWA website (www.iawa-website.org) to browse the “Membership” area for more information.

Call for Newsletter Items

The IAWA Newsletter will keep the IAWA community actively informed and stimulate members to visit the IAWA website for the latest and detailed news. Please send any news items you wish to share with the whole IAWA community to the newsletter editors Yafang Yin (yafang@caf.ac.cn) or Shan Li (lishan@caf.ac.cn).

I.W. Bailey Award 2019 - final call for nominations

Nominations for the I.W. Bailey Award for best paper submitted to the IAWA Journal by early career wood anatomists for 2019 closes on 15 September. Please submit nominations and support letters to Pieter Baas (Pieter.Baas@naturalis.nl).

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Localization of actin filaments and cortical microtubules in wood-forming tissues of conifers
IAWA Journal 40-4: 17 pp.

Jong Sik Kim & Geoffrey Daniel
Distribution of lignin, pectins and hemicelluloses in tension wood fibers of European ash (*Fraxinus excelsior*)
IAWA Journal 40-4: 24 pp.

Jie Wang, Liping Ning, Qi Gao, Shiye Zhang, & Quan Chen
The identification and characteristics of *Phoebe zhennan* buried wood
IAWA Journal 40-4: 16 pp.

Adya P. Singh, Yoon Soo Kim, & Ramesh R. Chavan
Relationship of wood cell wall ultrastructure to bacterial degradation of wood
IAWA Journal 40-4: 26 pp.

Lloyd Donaldson, Adya Singh, Laura Raymond, Stefan Hill, & Uwe Schmitt
Extractive distribution in *Pseudotsuga menziesii*: effects on cell wall porosity in sapwood and heartwood
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