

## Future Meetings

### **World Wood Day, Japan, March 21, 2020, has been cancelled**

Due to the Corona Virus, the organizers have cancelled the World Wood Day 2020 in Tokyo, Japan. Follow the news on <http://www.worldwoodday.org>.

### **EGU General Assembly 2020 in Vienna, May 3-8, 2020**

EGU General Assembly 2020 will take place from May 3-8, 2020, in Vienna, Austria. IAWA members are co-organizing a session of "Tree mortality and forest vulnerability across different biomes and climatic conditions - the need of multidisciplinary approaches at various scales?" during the EGU meeting. The meeting programme will be available on March 4, 2020.

Please visit <https://meetingorganizer.copernicus.org/EGU2020/sessionprogramme>.

*Veronica De Micco, Italy*

### **TRACE 2020 - Annual Meeting of the Association for Tree-Ring Research, May 12-15, 2020, Lund, Sweden**

The international conference TRACE 2020 (Tree rings in Archaeology, Climatology and Ecology), to be held May 12-15, 2020 in Lund, Sweden, aims to build bridges and facilitate knowledge exchange in all contemporary fields of tree-ring science, ranging from dendroclimatology and forest ecology, to physiology and dendroarchaeology. TRACE 2020 ([www.trace2020.com](http://www.trace2020.com)) is organized by the tree-ring groups from Lund University, University of Gothenburg and Stockholm University, in cooperation with the Association for Tree-Ring Research (ATR).

Realizing an increasing range of applications and interest in the tree ring community to use the Quantitative Wood Anatomy (QWA) approach, ATR and IAWA are stimulated to constitute an ATR/IAWA Working Group on Quantitative Wood Anatomy together to strengthen exchange of know-how and experiences between tree ring and wood anatomy science. A workshop will be organized to officially launch this working group on 12 May in Lund, just before the TRACE 2020 conference. Details to the program will follow in due time.

*Georg von Arx, Switzerland, Ute Sass-Klaassen, the Netherlands, Yafang Yin, China*

### **4th World Teak Conference in Accra, Ghana, August 24-27, 2020**

The 4th World Teak Conference will be held in Ghana during August 24-27, 2020. The conference is organized by the International Teak Information Network (TEAKNET) - India, in association with the Forestry Commission of Ghana, co-sponsored by the Teakwood working group of the International Union of Forest Research Organization (IUFRO), the Food and Agriculture Organization (FAO) and the International Tropical Timber Organization (ITTO), Japan. Topics of the conference include smallholder teak plantations, cost-benefit analysis on teak investments, tree improvement, genetics, silviculture and stand management, environmental protection and biodiversity conservation. Registration opened from October 1st, 2019. For further information, see

[http://www.iawa-website.org/uploads/allimg/190505/4th\\_WTC\\_2020-1st\\_Announcement.pdf](http://www.iawa-website.org/uploads/allimg/190505/4th_WTC_2020-1st_Announcement.pdf).

*Thulasidas PK, India*

### **EuroDendro 2020 Conference, Latvia, August 31-September 4, 2020**

The EuroDendro 2020 Conference organized by the University of Latvia, will take place on August 31-September 4, 2020 in Riga, Latvia. 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 <https://www.eurodendro2020.lu.lv> for more information.

*Didzis Elferts, Latvia*

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

### **The 6th IAWA-China Group Annual Meeting at Hefei, China, November 23-24, 2019**

The sixth Annual Meeting of the IAWA-China Group has been successfully held at Anhui Agriculture University (AAU), Anhui province of China, on November 23 and 24, 2019. More than 150 representatives from 35 related institutions and universities attended this annual meeting. Keynote Lectures including "Advances in Bamboo Anatomy", "Wood Anatomy and the IAWA: History and Perspectives", "Structural Heterogeneity of Wood Cell Wall: Obstacle to Observation" and "Wood Science Research in AAU: History and Present" were presented by Prof. Zehui Jiang, Prof. Pieter Baas, Prof. Yoon Soo Kim, and Prof. Shengquan Liu, respectively. There were 28 participants presenting their current research progress on secondary xylem formation, wood quality, wood identification, cell wall structure, and archaeological wood during technical sessions. The Excellent Presentation Award for students were given to Mr. Liuyang Han from the Chinese Academy of Forestry, Ms. Junji Luo from the International Centre for Bamboo and Rattan, Ms. Xinxin Zheng and Ms. Xiran Li from Nanjing Forestry University, and Mr. Hao Luo from Anhui Agriculture University. The next IAWA-China Group annual meeting will be held in 2020, at Zhejiang Agricultural and Forestry University, Hangzhou, China.



*Group photo of speakers and participants during the IAWA-China-Group Annual Meeting, 2019.*

*Min Yu, China*

### **AsianDendro 2019 in Lucknow, India, November 24-30, 2019**

AsianDendro 2019 - The 6th Asian Dendrochronology Conference was held on November 24-30, 2019 in the Birbal Sahni Institute of Palaeosciences in Lucknow, India. A total of 82 abstracts were contributed by tree-ring researchers the world over and 62 researchers (26 students and 36 professionals) attended the conference in which 23 participants (11 students and 12 professionals) were from India. The international participants were from Bhutan, China, Germany, Iran, Japan, Nepal, Poland, Russia, Switzerland and Thailand. This conference covers 13 technical sessions, including the session of "Wood Anatomy: the inside story of wood for Dendrochronology". Dr. Eryuan Liang was invited to give

a keynote talk “Alpine treelines on the Tibetan Plateau: an integrative understanding from xylogenesis to ecosystem”. AsianDendro 2020 - The 7th Asian Dendrochronology Conference was decided to be held in Zhuhai, China in 2021.



*Group photo of participants during AsianDendro 2019.*

*Eryuan Liang, China*

### **14th Joint Seminar of China-Japan-Korea on Wood Quality and Utilization of Domestic Species, in Seoul, Republic of Korea, December 4-7, 2019**

On December 4-7, 2019, the Fourteenth Joint Seminar of China-Japan-Korea on Wood Quality and Utilization of Domestic Species (14th CKJ Seminar) was held at Seoul, organized by the National Institute of Forest Science (NIFoS), Republic of Korea. More than 80 scholars from totally 16 universities and research institutions gathered to discuss the frontier questions of wood quality and utilization. During the joint seminar, 3 keynote lectures and 19 oral presentations with 26 posters were presented. The Joint Seminar of China-Japan-Korea on Wood Quality and Utilization of Domestic Species was launched by wood science and technology experts from China, Japan and Korea since 2006. The aim of this joint seminar is to promote international experts and scholars to exchange the latest research results, advanced technology and experience in wood science fields, and discuss the opportunities and challenges of wood properties, wood products and utilization in China, Japan and Korea.



*Part of participants from the 14th Joint Seminar of China-Japan-Korea visiting the construction of a timber structure located in Seoul city.*



## Miscellaneous News



### **Dr. Fritz Hans Schweingruber passed away on January 7, 2020 in Switzerland**

With great sadness we regret to inform that Dr. Fritz Hans Schweingruber passed away on January 7, 2020 in Birmensdorf, Switzerland. Fritz was born on February 29, 1936. He was the founder of the Dendrosciences group of Swiss Federal Research Institute (WSL), a pioneer and worldwide outstanding tree-ring researcher and wood anatomist, and an enthusiastic teacher and supervisor. Although retired since nearly twenty years, Fritz stayed active in research until the very last day. Fritz was elected as an Honorary Member of the IAWA in 2018. His great contribution to the community of wood anatomy is worthy to be highly respected. His decease is a great loss for our research community. We all mourn the passing of a true giant in wood anatomy and tree-ring science. A full obituary for Dr. Fritz Hans Schweingruber by Alan Crivellaro and Holger Gärtner has been published in IAWA Journal 41(1).

### **A MOOC (Massive Open Online Course) on Wood Anatomy is open for registration**

A MOOC (Massive Open Online Course) on Wood Anatomy started on January 22, 2018 (in French with English subtitles).

The first goal of this MOOC is to link wood as tree tissue and wood as a material in human life. Anatomy is at the crossroads of these two worlds, i.e. the cell structure which gives an understanding of nearly all the properties of the wood.

Anatomy can also identify the various tree species and is the second MOOC goal: learning to recognise wood at two different scales - under the microscope and by eye.

Registration is open for a new session of the French MOOC "Anatomie du bois" (with English subtitles): <https://www.fun-mooc.fr/courses/course-v1:lorraine+30003+session04/about>

*Marie-Christine Trouy, France*

### **Atlas of Macroscopic Wood Identification - Book launch event**

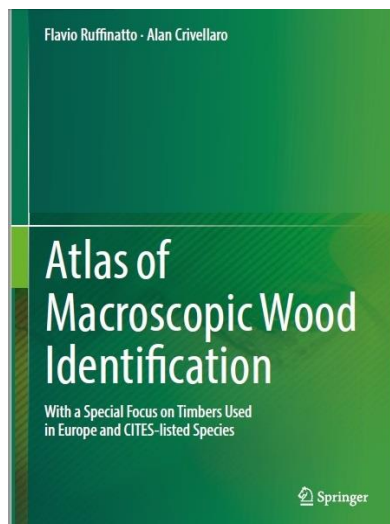
About the book:

Ruffinatto F, Crivellaro A. 2019. Atlas of Macroscopic Wood Identification. With a Special Focus on Timbers Used in Europe and CITES-listed Species. Springer International Publishing. ISBN 978-3-030-23565-9 [www.springer.com/9783030235659].

This atlas presents macroscopic descriptions, macroscopic cross-section pictures, general characteristics and identification keys of 335 wood species currently introduced in the European timber market from all over the world. Overall 292 different genera are represented and CITES-listed timbers are also included. Macroscopic descriptions are based on a recently proposed list of macroscopic features for wood identification. Macroscopic features and their codes are defined and illustrated in the atlas. Wood descriptions also include information about natural durability, physical and mechanical properties, end uses, environmental sustainability and possible related misleading commercial names. Furthermore, each genus is described in terms of number of species, geographical distribution and main commercial

timbers, and details are given about to what extent timbers within the genus can be typically identified through macroscopic and microscopic analysis, if any. The atlas will be a valuable guide for all agents in charge for timber verification, those involved in the European Timber Regulation (EUTR) enforcement and CITES inspections, as well as wood scientists, foresters, wood sellers, wood restorers, and any wood worker and wood passionate interested in a fast and reliable tool for wood identification.

The book comes with a freely downloadable 'Macroscopic wood identification software' available at <http://tiny.cc/idkey>.



*Flavio Ruffinatto, Italy*

### **Open access of Pierre D tienne's Unpublished Atlases of Woods from Madagascar, Indochina and Tropical Africa**

Pierre D tienne the great wood anatomist, formerly from Nogent-sur-Marne and Montpellier, France donated his unpublished work in French to IAWA in 2014. Elisabeth Wheeler has fully integrated the plates by Paulette Jacquet and the coded descriptions of Pierre into InsideWood. Pierre gave some additional explanations for his files. For instance that the descriptions and IAWA codes are usually based on one specimen per species, but that these were double checked with hand lens and stereo-microscope observations of nicely trimmed wood cubes of multiple samples. He also provided information on the reliability of the naming of the vouchers and the wood specimens.

IAWA is now making Pierre's heritage freely available as it was when he presented all the materials to IAWA after his retirement. There is one file on woods from Madagascar and the Comores, and two files with short descriptions of woods from Africa and Asia plus their IAWA Hardwood codes. These should be cited as: 1) Pierre D tienne, Atlas d'anatomie des Bois de Madagascar et des Iles Comores (In English: Atlas of Wood anatomy of Madagascar and Comoros), 2012, unpublished. For Illustrations of this file please consult InsideWood 2004 onwards. 2) Pierre D tienne, Afrique: Woods from S negal and Congo (Brazaville), 2013, unpublished. 3) Pierre D tienne, CLV: Woods from Cambodja, Laos and Vietnam, 2009, unpublished.

These files have been posted on the Downloads webpages of the IAWA website under the link: [Pierre D tienne, Afrique Woods from S negal and Congo \(Brazaville\), 2013, unpublished](#)  
[Pierre D tienne, Atlas d'anatomie des Bois de Madagascar et des Iles Comores, 2012, unpublished](#)  
[Pierre D tienne, CLV Woods from Cambodja, Laos and Vietnam, 2009, unpublished](#)

*Pieter Baas, the Netherlands*

### **Digitalization of IAWA Journal Supplements 3-7 is available**

Digitalization of IAWA Journal Supplements 3-7 is now available on the website, under the menu "Download" with the link "[IAWA J Supplements](#)".

IAWA Journal Supplements 1 and 2 will be scanned and uploaded to the website soon.

*Shan Li, China*

## Extended Deadline April 30, 2020: IAWA Special Issue 2020 on Updating Wood Identification

To all IAWA members who had considered submitting an article to the IAWA Journal Special Issue “Challenges and Opportunities for Advancing Wood Identification: from Wood Anatomy to Innovative Technologies” but did not have the time to prepare a manuscript, the Editors of the Special Issue have **extended the submission deadline to April 30, 2020**.

Authors 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. 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](mailto:yafang@caf.ac.cn)), Alex Wiedenhoef (acwieden@wisc.edu), or Lloyd Donaldson ([lloyd.donaldson@scionresearch.com](mailto: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 <http://www.editorialmanager.com/iawa>. Please indicate in the cover letter your wish to be included in this Special Issue.

Alex C. Wiedenhoef, USA

## Call for manuscripts of IAWA Journal 2020

The editors of IAWA Journal would like to encourage new manuscript submissions over the next month or so as we have plenty of space available for issue 2. Issue 1 of Volume 41 is about to be published with the following table of contents.

Crivellaro & Gärtner	Obituary of Fritz Hans Schweingruber
Luo et al.	Comparative culm anatomy of metaxylem vessel pits in three different types of bamboo rhizome
Yahya et al.	Effect of vessel diameter on variation of fiber morphology in <i>Acacia mangium</i>
Adey-Johnson et al.	Micro-CT measurements of within-ring variability in longitudinal hydraulic pathways in Norway spruce
de Vasconcellos et al.	Wood anatomy of <i>Ceiba speciosa</i> (A. St.-Hil.) Ravenna under urban pollution
Purusatama et al.	Cross-field pitting characteristics of compression, lateral, and opposite wood in the stem wood of <i>Ginkgo biloba</i> and <i>Pinus densiflora</i>
Miodek et al.	Direct exposure to solar radiation causes radial growth eccentricity at the beginning of the growing season in <i>Robinia pseudoacacia</i>
Saran et al.	Burl formation in mango ( <i>Mangifera indica</i> ): a neglected tumour disorder and the structure of its secondary xylem
Carolina et al.	Gum duct formation mediated by various concentrations of ethephon and methyl jasmonate treatments in <i>Cerasus × yedoensis</i> , <i>Prunus mume</i> and <i>Liquidambar styraciflua</i>
Luo et al	The occurrence and structure of radial sieve tubes in the secondary xylem of <i>Aquilaria</i> and <i>Gyrinops</i>

Lloyd Donaldson, New Zealand

Marcelo Pace, Mexico

## 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](mailto:yafang@caf.ac.cn)), or Dr. Shan Li ([lishan@caf.ac.cn](mailto:lishan@caf.ac.cn)) of the IAWA Office, Beijing.