

Second call

THE TRACE OF WOOD IN HISTORY, THE TRACK OF TIME IN WOOD

Gathering wood scientists and wood craftsmen for a cross-perspective on the cultural and natural heritage of wood uses in Europe and Japan

International symposium *WoodSciCraft*

8-12 september 2014 - Montpellier, France

WHY? Wood, a material which has accompanied man throughout history still raises numerous questions in terms of its **complex physical-mechanical behaviour** and of its **biodiversity**. Wood sciences is a rather young *-but fast progressing-* discipline, while wood craftsmen have accumulated a wealth of knowledge on wood, at the scale of the **history of techniques** or at the scale of the **expertise** acquired by an individual through **transmission and practice**.

The central objective of this symposium is to create positive grounds for **profound mutual exchanges** between these two **expert communities**: **wood scientists** study wood, while **wood craftsmen** know wood, and these two communities and viewpoints shall collaborate if a **better understanding** of wood utilisation is sought after.

Japan is possibly the country where wood culture is most widespread and important, both in terms of the importance of the wood science community, and of the daily presence of wood (in tangible and intangible cultural craftsmanship heritage). Therefore, strengthening parallels between wood sciences, uses and culture between Europe and Japan is essential.

WHO? **Wood scientists** from all disciplines, from mechanics to ethno-botany through wood anatomy, and **wood craftsmen** of different trades, from musical instruments making to carpentry through cabinet making or woodturning. **Japanese experts** will be invited (4-5 scientists and 4-5 craftsmen).

WHAT? A symposium with **multiple formats** (Keynote lectures, talks, posters, demonstrations of woodworking, exhibitions, ...) in order to respect the most natural way of presentation of the different participants, and foster a real mutual dialog between wood scientists and craftsmen.

WHERE? **Montpellier**, south of France, one of the most ancient University cities in Europe, with long historical background in plant sciences, and active communities both in wood science and in wood crafts (particularly instrument makers), in a Mediterranean environment.

Schedule

The symposium will address 4 academic themes and 4 woodworking specialities. Each day will focus on one craft speciality and welcome academic contributions on all related academic themes (A, B, C and D):

Woodcraft specialities

- Day 1.** Wood building and carpentry
- Day 2.** Cabinet making and woodturning
- Day 3.** Musical instruments making
- Day 4.** Traditional treatments, finishing, varnish and lacquer

Academic themes

- A.** Wood uses throughout cultures (*ethnobotany, history of techniques, interaction between cultural and physical studies*)
- B.** Wood in time (*ageing, time-, temperature- and humidity- dependent behaviour*)
- C.** Diversity and variability of wood and its properties (*anatomy, structure-chemistry-properties relationships, from between species to within-tree*)
- D.** Relation between wood and its users (*perception, exploring "new" species, socio-environmental aspects of wood uses*)

Important dates

- Abstract submission deadline: **June 16** (2014)
- Notification to authors: **June 30** (2014)
- Advance registration deadline: **July 31** (2014)

Conference website

The registration form is available on the conference website at the address:
<http://woodscicraft2014.lmgc.univ-montp2.fr>

Conference fees (until July 31)

Week	280€ ⁽¹⁾⁽²⁾	Full access + Banquet diner +Tour
Day	70€ ⁽¹⁾⁽²⁾	Conference access (including lunches and coffee break)
	50€ ⁽¹⁾	Banquet diner
	40€	Technical tour

(1) Half-price discount for students or unemployed
(2) 200€/week or 50€/day for craftsmen

Abstract submission

All abstracts will be reviewed by a scientific committee composed of scientist and craftsmen. Abstracts must not exceed 2 pages. They should be submitted on the conference website before May 30 2014. Abstract template and submission application are available at:

http://woodscicraft2014.lmgc.univ-montp2.fr/abstract_submission.html

Contact

woodscicraft2014@univ-montp2.fr

Chair

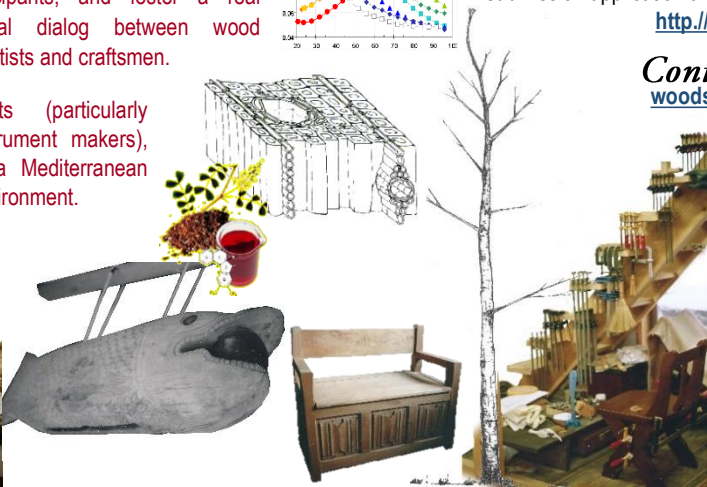
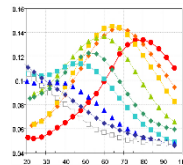
IRIS BRÉMAUD
(LMGC, Montpellier, France)

Vice-chair

PIERRE CABROLIER
(LMGC, Montpellier, France)

Scientific comity

- JACQUES BEAUCHÈNE (*Ecologie des Forêts de Guyane, Kourou, French Guiana*)
- IRIS BRÉMAUD (*Lab. de Mécanique et Génie Civil, Montpellier, France*)
- JOSEPH GRIL (*Lab. de Mécanique et Génie Civil, Montpellier, France*)
- CATHERINE LAVIER (*Lab. d'Archéologie Moléculaire et Structurale, Paris, France*)
- NAOKO MATSUYAMA (*Dpt. of Intangible Cultural Heritage, Tokyo, Japan*)
- MECHTILD MERTZ (*Ctr. de Recherche sur les Civilisations de l'Asie Orientale, Paris, France*)
- EIICHI OBATAYA (*Lab. of Wood Science and Technology, Tsukuba, Japan*)
- NELLY POIDEVIN (*Bow maker, Dinan, France*)
- ITOH TAKAO (*Profesor Emeritus, Kyoto University, Japan*)
- HIROYUKI YAMAMOTO (*Lab. of Bio-Material Physics, Nagoya, Japan*)
- MISAO YOKOYAMA (*Lab. of Biomaterials Design, Kyoto, Japan*)



PRELIMINARY PROGRAM

MONDAY 8/9 WOOD IN STRUCTURE, BUILDING AND CARPENTRY

- Morning**
- Conferences + posters: Mechanics of wooden structures and buildings, Wood creep (including micro-structure-properties), Ageing of wood in Japanese temples, Ethno- or archeo- botany of wood construction and/or boat building
- Afternoon**
- Documentary films on traditional carpentry (and possibly boat building)
 - Demonstrations and talks on joinery, Commented exhibitions of carpentry tools, test specimens of assembly, small-scale models or compagnon/journeyman masterpieces, and photos
 - Round table and discussions

TUESDAY 9/9 CABINET MAKING AND WOODTURNING

- Morning**
- Conferences + posters: Traditional woodworking in Japan, Wood machining, Hygromechanical behaviour of wood (including structure-properties relations), Diversity of species (local or imported) used in different crafts or periods, Visual/tactile perception and wood grain/figure
- Afternoon**
- Demonstrations and talks on cabinet making, tabletry and turning, Commented exhibitions of wooden objects/small cabinets, compagnon/journeyman masterpieces, woodworking tools, specimens of uncommon wood species, and photos
 - Round table and discussion
 - Technical visit 1 (divided by groups): Xylarium and sawmill of CIRAD (Tropical woods), Lab of Wood team LMGC (Wood mechanics), Woodworking workshop

WEDNESDAY 10/9 MUSICAL INSTRUMENTS MAKING

Joint event with Focused Meeting of COST action FP1302 WoodMusICK

- Morning**
- Welcome address to WoodMusICK delegates
 - Conferences + posters: Acoustical properties of wood, Thermo-viscoelasticity and wood bending/forming, Wood choice for instruments of different cultures or periods, Specialized forest supply for instruments, Auditory perception of wood
- Afternoon**
- Documentary films on instrument making (cross-cultural perspective)
 - Demonstrations and talks on instrument making techniques, Commented exhibitions of instruments, specialized tools, instrument making wood supplies, and photos
- Evening**
- Concluding session "analysis and conservation of intangible heritage/traditional knowledge in wooden instrument making": Talks + Round table and discussion, Defining prospective at the interface of Working Group 1 (Humanities and Wood Knowledge) and Working Group 2 (Mechanics and Wood Science) of WoodMusICK

- Gala diner followed by concert of traditional music


THURSDAY 11/9 WOOD TREATMENTS, FINISHING, VARNISHES AND LACQUER

- Morning**
- Conferences + posters: Thermal treatments and accelerated ageing, Effects of finishing techniques on optical, hygro-mechanical or acoustical properties, Differences in finishing techniques between crafts, cultures and period, Botanical origin and chemistry of varnish/lacquer ingredients
- Afternoon**
- Demonstrations and talks on finishing techniques, processes of varnish making and application, Japanese lacquer, Commented exhibition of treated or lacquered wooden objects or test specimens, specific ingredients and tools, and photos
 - Round table and discussion
 - Technical visit 2 (divided by groups): Wood Workshops; Botanical garden
- Evening**
- "Thanks to the participants" address and synthesis/prospective of the symposium
 - Social and musical event in the historical city centre

FRIDAY 12/9 TECHNICO-CULTURAL VISITS

10:00-16:00 Field trip to (exact contents to be confirmed): Traditional wooden boats, Mediterranean forest and precious species, Workshops of instrument makers and/or wood turners and/or cabinet makers...

Venue



Institut de Botanique
163 rue Auguste Broussonnet
34090 Montpellier

Travel facilities:

- Walking access to the Symposium from the city center
- International airport
- Train station in the city center

Official Sponsors



Scientific Partners

