



FPS COST Action FP1302

WOOD MUSICK

WOODen MUSical Instruments Conservation and Knowledge

Opening Conference

Thursday 27 & Friday 28 February 2014
Amphithéâtre - Cité de la musique



COMMITTEES

General co-chairwomen

Dr. Sandie Le Conte (Cité de la musique | Musée de la musique, France)

Dr. Pascale Vandervellen (Musée des instruments de musique - MIM, Belgium)

International scientific committee

Dr. Iris Bremaud (France)

Dr. Marco Fioravanti (Italy)

Dr. Claudia Fritz (France)

Dr. Michael Kaliske (Germany)

Dr. David Mannes (Switzerland)

Dr. Marco A. Perez (Spain)

Dr. Carmen-Mihaela Popescu (Romania)

Dr. Gabriele Rossi-Rognoni (United Kingdom)

Dr. Christina Young (United Kingdom)

Local technical committee

For any question, please contact:

- Delphine Delaby ddelaby@cite-musique.fr | + 00 33 (0)1 44 84 47 49
- Stéphane Vaiedelich svaiedelich@cite-musique.fr | + 00 33 (0)1 44 84 46 70

PROGRAM

Thursday February 27

9 :15	Welcome - Coffee
9 :30	Introduction: Eric de Visscher, director of the Musée de la musique, Sandie Le Conte & Pascale Vandervellen, Chairwomen of the COST Action FP1302
10 :00	Session 1: Humanities & Wood Knowledge <ul style="list-style-type: none"> - Renato Meucci, director of the Conservatory of Novara, Italy: <i>Violin expertise: yesterday, and today?</i> - Iris Brémaud, LMGC – CNRS, France: <i>Diversity in Instrument Making Woods: at the Crossroads of Organology, Intangible Cultural Heritage and Wood Sciences</i>
11:00	Flash-talks Session A
12:00	Poster A Session
1:00	Lunch
3:00	Session 2: Mechanics & Wood Science <ul style="list-style-type: none"> - Peter Niemz, ETH Zürich, Switzerland: <i>Physical and Mechanical Properties of Wood</i> - Marco Fioravanti, GESAAF, University of Florence, Italy: <i>Wood Aging and Conservation of Historical Musical Instruments</i>
4 :00	Flash-talks Session B
5 :00	Poster Session B
6 :30 – 7 :10	Concert Etsuko Chida , vocal & <i>koto</i> Yasujiro Ogura (collection of the Musée de la musique) Fadhel Messaoudi , vocal & ‘ <i>ud</i> lute Georges Nahat (collection of the Musée de la musique)

Friday February 28

8 :30- 10 :30	Management Committee (Salle des colloques)
10 :00	Welcome Coffee for non MC members
10 :30	Session 3: Acoustics & Reconstruction of Wooden Historical Instruments <ul style="list-style-type: none"> - Paul Poletti, piano maker-restorer, Spain: <i>Reverse-engineering Historic Musical Instruments</i> - Claudia Fritz, Institut Jean le Rond d'Alembert - LAM - CNRS, France: <i>Old Italian Versus New Violins: the Players' Perspective</i>
11 :30	Flash-talks Session C
12 :30	Poster Session C
1 :00	Lunch
2 :30 - 5 :30	WG1 synthesis: Round Table Iris Brémaud & Gabriele Rossi Rognoni WG2 Synthesis: Round Table Marco Fioravanti WG3 Synthesis: Round Table Claudia Fritz Conclusion

CONCERT

- **Yamada Kengyô (1757-1817)**
Enoshima no kyoku
Etsuko Chida, vocal & *koto* Yasujiro Ogura, Japan, 1780 (collection of the Musée de la musique)

Koto zither Yasujiro Ogura, Japan, 1780, E. 962.1.1

The koto is part of the vast zither family, and in particular the sub-category of the zithers with a bulging sound box. This group also includes the Chinese *gin* and *zheng* zithers, the Korean *gayageum* and *komun'go*, and the Vietnamese *dan tranh*.

The zitherist uses three plectra made of ivory, bone or bamboo. They are fixed to the thumb, the index and the middle finger of the right hand to pluck the strings. The thumb and the index finger of the left hand exert variable pressure on one or several strings near the bridges to obtain a glissando or an ornament.

This particular koto is associated with the Ikuta School. It is a gift of the koto maker M. Sahei Mizuno to the Conservatoire de Paris in 1962. Mr. Mizuno wanted to offer the most precious instrument of his collection to a French museum as a token of the Franco-Japanese friendship.

According to Mr. Mizuno, this instrument is exceptional because of "the quality of the material, *kiri* wood, the beauty of the sound and the shape, and the artistic value of the inlays that adorn it". It was made by one of the greatest master koto makers, Kikuoka Tasuke II (called Yasujiro Ogura) who died in 1807 at the age of 85. (text by Philippe Brugière)

Etsuko Chida was born in Sapporo (Japan) where she studied the arts of singing and of the koto from the age of 5 in the particularly authentic style of the Yamada School. At the age of 21 her studies were crowned by the attribution of a Natori. This diploma also gives the right to teach and symbolically transmits the legacy of several generations of artists.

The oldest poems sung by Etsuko Chida are from the 10th century. Among these "The Tales of Genji" (1015-1020) is an emblematic piece of Japanese literature written by the lady-in-waiting Murasaki Shikibu. The compositions were first published during the Edo period, in particular « Rokuan » and « Midare ».

Etsuko Chida recorded a critically acclaimed solo album which was a «Choc» for the *Monde de la Musique*, «Sélection de l'année» for Géo, and received a «Bravo» from Trad Magazine... Etsuko Chida gives concerts in France (Musée Guimet, Musée des Arts Asiatiques de Nice, Musée de la musique, Les Orientales festival in Saint-Florent-le-Vieil, Centre Mandapa...) and abroad, with regular tours in Spain and Norway.

➤ Arabic world music

Fadhel Messaoudi, vocal & 'ud lute Georges Nahat, Damascus (Syria), 1931,
collection of the Musée de la musique

'ud lute Georges Nahat, Damascus (Syria), 1931, E.997.6.1

This oud by Georges Nahat is currently among the instruments the most featured and sought by musicians and collectors. These lutes are known for their exceptional sonority and of course for the quality and the great refinement of the making which seems to have never been surpassed. This high quality traditional craftsmanship is, in part, the result of experience acquired and transmitted over generations, since the Nahat "dynasty" dates from the beginning of the 19th century. Beyond the descent of the famous Syrian family, the construction tradition of the oud obviously dates back to much earlier history (5th or 6th century A.D.). In any case, it predates the European lute (9th-10th centuries) which is issued from the oud. What is remarkable today is the identity of the fabrication between these two traditions. In particular the construction of shell on a mold using thin strips of wood, called *ribs*, joined edge to edge and glued together. Who of the Arabs or the Occidentals were the first to have the idea to abandon the archaic method of sculpting the sound box and the neck have a single bloc of wood (*monoxylon*) in favour of the lighter construction described above? It is impossible to answer this question with certainty. Some advance the hypothesis that it may have been the Arabs, with the legendary Arabo-Andalou musician Zyriab (arrived in Cordoue in 822) as the inventor. However the discovery may have been the act of a German maker, thus much later in time. In that case we would face a "return effect", the Arabs having then adopted an occidental method. Venice, which was long the cradle of the Germano-Italian lute-making, might have played an important role in the exchange of techniques between the two cultures. (text by Joël Dugot)

Fadhel Messaoudi was born in Gabes, Tunisia. He grew up in a musical environment, where he became acquainted with percussions and singing. He quickly devoted himself to the lute. After a strong classical training he received the first prize of several competitions. His carrier really started in France. With an access to the archives of the classical arab music, he discovered true treasures to which he decided to dedicate himself.

As an oud play, he strengthened his art in the approach of classical Arab music which favours improvisation and modal exploration.

He collaborated with the *Centre d'Etude des Musiques et Danses du Mashreq et du Maghreb* and then accompanied the Al-Adwar ensemble (of the singer Aïcha Redouane). He continued his journey in the world of improvisation and interpretation by creating the Al-Maqâm ensemble while giving concerts and multiplying musical encounters in several countries and with poets. He is one of the co-founders of the *Centre de musique de traditions orales du monde arabe*; he teaches at the music schools of the 17th and 18th Paris districts and as part of the *Résonnaces* troupe. He regularly plays at the Musée de la Musique.

FLASH-TALKS & POSTER LIST

SESSION A

nº	name	topic
A 1	Akkermans, Emily	Restoration of musical instruments, metal and mechanical parts in combination with wood. Antwerp University, Belgium
A 2	Bonaduce, Ilaria	ALI, Associazione Liutaria Italiana. Università di Pisa, Italy
A 3	Bastos, Patricia	ANIMUSIC, Associação Nacional de Instrumentos Musicais, Portugal
A 4	Bini, Annalisa	Musicolog. Accademia Nazionale di Santa Cecilia, Italy
A 5	Bokiau, Baudouin	The Evolution & History of Piano Actions. Center for Research in Energy and Mechatronics; Catholic University of Leuven, Belgium
A 6	Cecconi, Cécile Laloue, Christine	Museum Archives of Instrument Maker Archives Website. Musée de la musique, France
A 7	De Bruyn, Vera	Conservator for Wood and Musical Instruments. Ringve Musikkmuseum, Norway
A 8	Debert, Benoit	Violin Family in the old southern of Netherlands. Violin Maker, Belgium
A 9	Doganis, Stathis	Conservation/Restoration of Woodwind Instrument. Technological Educational Institute (T.E.I.) of Athens, Greece
A 10	Echard, Jean-Philippe	Curator of Bowed String Instruments. Musée de la musique, France
A 11	Ecochard, Marc	Maker of Baroque and Classical Hautboys. France
A 12	Frederickx, Manu	Lecturer at the Hogent School of Arts Musical Instrument, Making Department, Ghent, Belgium
A 13	Houssay, Anne	Laboratory of the Musée de la musique, France
A 14	Hulshof, Carolien	The Formalized Fiddle. MIM, Belgium
A 15	Moens, Karel	Curator, Museum Vleeshuis Klank van de Stad, Antwerp, Belgium
A 16	O'Brien, Grant	Early Keyboard Instruments. Edinburgh, United Kingdom
A 17	Perez, A. Marco	Presentation of Museu de la Música de Barcelona, Spain
A 18	Rossi Rognoni, Gabriele	Curator at the Royal College of Music, London, United Kingdom
A 19	Saverwyns, Steven	Laboratory Department, Royal Institute for Cultural Heritage (KIK/IRPA), Brussels, Belgium
A 20	Thomas, Romain	Fondation des Sciences du Patrimoine. Université de Cergy-Pontoise, France.
A 21	Vandervellen, Pascale	Research project on Ruckers instruments. MIM, Brussels, Belgium
A 22	Warneke, Nikolaus	Itinerant exhibition of original xylophones and marimbas from Africa and Central America (20 items), France
A 23	Willaert, Saskia	Research and Digitization of African Collections. MIM, Brussels, Belgium

SESSION B

nº	name	title
B 1	Aurand, Alice	Conservation and Technology Dept., Courtauld Institute of Art, London, United Kingdom
B 2	Cufar, Katarina	Slovenia in COST Action Wood Music, University of Ljubljana, and University of Primorska, Slovenia
B 3	Dietrich, Tobias	Modifying Native Wood Species for the Use in Musical Instruments as Substitute for Tropical Hardwood. Technische Universität Dresden, Germany
B 4	Divos, Ferenc	Acoustic properties of wood. Institute of Physics and Electrotechnique, Karoly Simonyi Faculty, University of West Hungary
B 5	Ferreira, Mauro	Can we engineer the acoustic properties of wood? Trinity College Dublin. Ireland
B 6	Gilani, Marjan	Applied Wood Materials / Swiss Federal Laboratories for Materials Science and Technology (Empa), Switzerland
B 7	Gluschkov, Sotir	Forest Research Institute of the Bulgarian Academy of Sciences, Bulgaria
B 8	Gjerdrum, Peder	Norwegian Forest and Landscape Institute, Norway
B 9	Karami, Elham	Effect of Different Coating Systems on the Acoustical Properties of Musical Instruments. LMGC, France
B 10	Kozakiewicz, Pawel	Faculty of Wood Technology, Warsaw University of Life Sciences, Poland
B 11	Lavier, Catherine	Archaeometrical Study of Archaeological Wood. LAMS, France
B 12	Mannes, David	Neutron Imaging and Activation Group / Paul Scherrer Institute, Switzerland
B 13	Moutou Pitti, Rostand	Acoustic Emission and Finite element or Modeling approach. Institut Pascal / Université Blaise Pascal, France
B 14	Odlyha, Marianne	PROPAINT project. Birkbeck, University of London, United Kingdom
B 15	Popescu, Carmen	Analytical Methods for Historic Wood Evaluation, Petru Poni Institute of Macromolecular Chemistry, Romania
B 16	Popescu, Cristina	Spectral evaluation of wood and wood components. Petru Poni Institute, Romania
B 17	Ridley-Ellis, Dan	Strategic Integrated Research in Timber. Edinburgh Napier University, United Kingdom
B 18	Sebera, Vaclav	Department of Wood Science/Mendel University in Brno, Czech Republic
B 19	Sodini, Nicola	SYRMEP Beamline at Elettra. Trieste, Italy
B 20	Sporea, Dan	Photonics investigations facility at CETAL, Romania
B 21	Storme, Patrick	Atmospheric plasma treatments for the conservation of objects consisting of different materials- Faculty of Design Sciences - Conservation Studies, Belgium - Faculty of Design Sciences - Conservation Studies, Belgium
B 22	Versteeg, Arjan	Dendrochronology Applied to Musical Instruments. Netherlands
B 23	Wulf, Fabian	Research in musical instruments at Eberswalde University for Sustainable Development, Germany
B 24	Xavier, José	Center for the Research and Technology of Agro-

		Environmental and Biological Sciences (CITAB), Portugal
B 25	Reichel, Susanne	DRESDEN University

SESSION C

n°	name	title
C 1	Ablitzer, Frédéric	Laboratoire d'Acoustique de l'Université du Maine, France
C 2	Carlier, Capucine	Bring together different scientific and empirical approaches to clarify the concept of resonance wood. LMGC, France
C 3	Clarke, Christopher	Research into historical tools, materials, methods and organisation of keyboard instrument making. Piano maker, France
C 4	Demsar, Blaz	Violin maker, Slovenia
C 5	Gibiat, Vincent	PHASE Lab., Université de Toulouse, France
C 6	Guaus, Enric	Sonology Department / Escola Superior de Música de Catalunya, Spain
C 7	Le Carrou, Jean-Loïc	Lutherie-Acoustique-Musique / Institut Jean le Rond d'Alembert / UMR CNRS 7190, Université Pierre et Marie Curie, Sorbonne Universités
C 8	Le Moyne, Sylvie	Modelisation, Propagation et Imagerie Acoustique / Institut Jean le Rond d'Alembert / UMR CNRS 7190, Université Pierre et Marie Curie, Sorbonne Universités
C 9	Merhar, Miran	Laboratory of Mechanical Processing Technologies. Ljubljana, Slovenia
C 10	O'leary, Mickael	The O'Leary Guitars. Ireland
C 11	Perez, A. Marco	The structural behavior of wooden musical instruments. Universitat Politècnica de Catalunya – BarcelonaTech. Laboratory for the Technological Innovation of Structures and Materials, Spain
C 12	Perz, Andrzej	Reconstruction of a bass viol by Peeter Borbon, instrument maker at the royal court of Brussels in the first half of the 17th century, Poland/Belgium
C 13	Poidevin, Nelly	Renaissance and early Baroque Bows. Maker, France.
C 14	Ray, John	Professional Guitar Maker, Spain
C 15	Ribo, Pierre	Professional Serpent Maker, Belgium
C 16	Fouilleul, Jean-Marie	Professional Guitar Maker, France
C 17	Sali, Samo	Controlling the guitar sound. Professional Guitar Maker, Slovenia
C 18	Tahvanainen, Henna	Finite Element Model of string instrument body. Department of Media Technology, Finland
C 19	Tempelman, Erik	Design, Materials and Manufacture. Delft University of Technology, Netherlands
C 20	Tempelman, Erik Verlinden, Jouke	Additive Manufacturing and Aeroacoustics. Delft University of Technology, Netherlands
C 21	Trevisan, Benjamin	Piano Vibro Acoustic. Laboratoire Vibrations Acoustique. INSA, Lyon, France
C 22	Tro, Jan	Acoustics Research Center, Norwegian University of Science and Technology, Norway
C 23	Vaiadelich, Stéphane	Presentation of the Research and Restoration Lab in Musée de la musique, Paris. France
C 24	Vergez, Christophe	Physics of wind musical instruments. Laboratoire de

		Mécanique et d'Acoustique. Marseille, France
C 25	Viala, Romain	FEMTO-ST / Department of Applied Mechanics, France
C 26	Widholm, Gregor	The Predictive Approach in Piano Acoustics project. University of Music and Performing Arts, Vienna, Austria
C 27	Le Conte, Sandie	Physical measurement applied to wooden musical instrument conservation. Musée de la musique. France.
C28	Marjon, Antonio	Guitar maker. Spain

LIST OF PARTICIPANTS

name	e-mail adress
Ablitzer, Frédéric	Frederic.Ablitzer@univ-lemans.fr
Akkermans, Emily	emily.akkermans@student.uantwerpen.be
Aurand, Alice	Alice.Aurand@courtauld.ac.uk
Baer, Frank	f.baer@gnm.de
Bastos, Patricia	plopesbastos@gmail.com
Bergstrom, Ture	Ture.Bergstrom@natmus.dk
Bini, Annalisa	a.bini@santacecilia.it
Bokiau, Baudouin	baudouin.bokiau@uclouvain.be
Bonaduce, Ilaria	ilaria.bonaduce@unipi.it
Brémaud, Iris	Iris.bremaud@univ-montp2.fr
Carlier, Capucine	capucine.carlier@univ-montp2.fr
Caussé, René	Rene.Causse@ircam.fr
Cecconi, Cécile	ccecconi@cite-musique.fr
Chantrenne, Carolle	c.chantrenne@mim.be
Claderes, Serge	serge.claderes@laposte.net
Clarke, Christopher	christopherclarke@sfr.fr
Cogan, Scott	scott.cogan@univ-fcomte.fr
Colmars, Julien	julien.colmars@imelavi.fr
Colrat, Philippe	philippecolrat@hotmail.com
Combe, Claire	Claire.combe@culture.gouv.fr
Cufar, Katarina	katarina.cufar@bf.uni-lj.si
Curtit, Marthe	marthe.curtit@itemm.fr
D'andrée-Novel, Brigitte	brigitte.dandrea-novel@mines-paristech.fr
De Bruyn, Vera	vera.de.bruyn@ringve.no
De Valk, J	J.DeValck@mim.be
Debert Benoit	benoit.debert@gmail.com
Dietrich, Tobias	tobias.dietrich@tu-dresden.de
Divos, Ferenc	ferenc.divos@skk.nyme.hu
Doganis, Stathis	st.doganis@gmail.com
Doutaut, Vincent	vincent.doutaut@itemm.fr
Echard, Jean-Philippe	jpechard@cite-musique.fr
Ecochard, Marc	marc.ecochard@grandhautbois-flutes.com
Ege, Kerem	kerem.ege@insa-lyon.fr
Esquirol, Agnès	a.esquirol@mim.be
Fioravanti, Marco	marco.fioravanti@unifi.it
Fisette, Paul	paul.fisette@uclouvain.be
Fouilleul, Jean-Marie	infos@guitar-fouilleul.com
Frederickx, Manu	manu.frederickx@hogent.be

Fritz, Claudia	fritz@concerto.lam.jussieu.fr
Gautier, François	francois.gautier@univ-lemans.fr
Gibiat, Vincent	Vincent.gibiat@univ-tlse3.fr
Gilani, Marjan	marjan.gilani@empa.ch
Gjerdum, Peder	peder.gjerdum@skogoglandskap.no
Gluschkov, Sotir	sotirgluschkoff@abv.bg
Gril, Joseph	joseph.gril@univ-montp2.fr
Grothe, Timo	grothe@hfm-detmold.de
Guaus, Enric	enric.guaus@esmuc.cat
Houssay, Anne	ahoussay@cite-musique.fr
Hulshof, Carolien	c.hulshof@mim.be
Karami, Elham	em_karami@yahoo.com
Kozakiewicz, Paweł	pawel_kozakiewicz@sggw.pl
Laloue Christine	claloue@cite-musique.fr
Lavier, Catherine	catherine.lavier@upmc.fr
Le Carrou, Jean-Loïc	jean-loic.le_carrou@upmc.fr
Le Conte, Sandie	sleconte@cite-musique.fr
Le Moigne, Sylvie	Sylvie.le_moyne@upmc.fr
Le Vey, Georges	georges.le-vey@mines-nantes.fr
Maene, Chris	Chris.maene@maene.be
Mannes, David	david.mannes@psi.ch
Marques, Miguel	Miguel.e.marques@gmail.com
Merhar, Miran	miran.merhar@bf.uni-lj.si
Meucci, Renato	renato.meucci@gmail.com
Moens, Karel	karel.moens@stad.antwerpen.be
Moutou Pitti, Rostand	rostand.moutou_pitti@univ-bpclermont.fr
Niemz, Peter	niemzp@ethz.ch
Niskanen, Paula	paula.niskanen@metropolia.fi
O'Brien, Grant	grant.obrien@claviantica.com
O'leary, Mickael	michael@olearyguitars.com
Odlyha, Marianne	m.odlyha@bbk.ac.uk
Perez, A. Marco	Marco.antonio.perez@upc.edu
Perz, Andrzej	andrzej@perz.art.pl
Picard, Francois	francois.picard@paris-sorbonne.fr
Poidevin, Nelly	nelly.poidevin@wanadoo.fr
Poletti, Paul	paul@polettiPiano.com
Pont, Olivier	opontdedinan@wanadoo.fr
Popescu, Carmen	mihapop@icmpp.ro
Popescu, Cristina	cpopescu@icmpp.ro
Ray, John	johnguitar@johnguitar.com
Ribo, Pierre	info@serpent-ribo.com
Ridley-Ellis, Dan	d.ridleyellis@napier.ac.uk
Rossi Rognoni, Gabriele	g.rossirognoni@rcm.ac.uk
Sali, Samo	samo@saliguitars.com
Saverwyns, Steven	steven.saverwyns@kikirpa.be
Sebera, Vaclav	seberav@gmail.com
Simon-Chane, Camille	csimonchane@cite-musique.fr
Sinier de Ridder	sinierderidder@gmail.com
Sodini, Nicola	nicola.sodini@elettra.trieste.it
Sporea, Dan	dan.sporea@inflpr.ro
Storme, Patrick	patrick.storme@uantwerpen.be
Tahvanainen, Henna	henna.tahvanainen@aalto.fi
Tempelman, Erik	e.tempelman@tudelft.nl

Trevisan, Benjamin	benjamin.trevisan@insa-lyon.fr
Tro, Jan	jan.tro@ntnu.no
Vaiedelich, Stéphane	svaiedelich@cite-musique.fr
Vandervellen, Pascale	p.vandervellen@mim.be
Vergez, Christophe	vergez@lma.cnrs-mrs.fr
Verlinden, Jouke	j.c.verlinden@tudelft.nl
Versteeg, Arjan	arjan.versteeg@t-online.de
Viala, Romain	romain.viala@femto-st.fr
Von Rueden, Heidi	vrueden@sim.spk-berlin.de
Warneke, Nikolaus	nikolaus.warneke@gmail.com
Widholm, Gregor	widholm@mdw.ac.at
Willaert, Saskia	s.willaert@mim.be
Wulf, Fabian	Fabian.Wulf@hnee.de
Xavier, José	jmcx@utad.pt