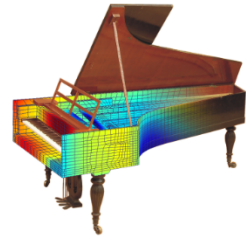


ANALYSIS AND CHARACTERISATION OF WOODEN CULTURAL HERITAGE BY SCIENTIFIC ENGINEERING METHODS



Halle (Germany)

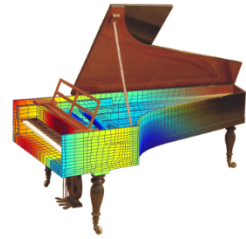
28.-29.04.2016

PROGRAMME

Thursday April 28

09:00 - 10:00	Registration
10:00	Opening
10:30	I <i>How is the Weather Today? Relative Humidity Variations in Museum Environments and their Impact on Collections</i> Dr. Dipl.-Chem. Kilian Anheuser Musée d'ethnographie de Genève
11:00	II <i>Assessing Environmentally Induced Risk for Wooden Works of Art</i> Prof. Dr. habil. Łukasz Bratasz Institute for the Preservation of Cultural Heritage, Yale University
11:30	III <i>A Practical Model-based Method to Assess the Risk Level of Wood Deterioration in Historic Interiors</i> Prof. Dr. Tomáš Vyhlídal Department of Instrumentation and Control Engineering, Czech Technical University in Prague
12:00 - 14:00	Lunch Break
14:00	IV <i>Hygric Properties of Solid, Glued Laminated and Varnished Walnut and Cherry</i> M.Sc. Erik Valentine Bachtiar Institute for Building Materials, Wood Physics, ETH Zurich
14:30	V <i>Modelling the Properties of Old Wood and the Accelerated Thermo-hydrous Wood</i> Prof. em. Dr. Parviz Navi Institute of Materials, École Polytechnique Fédérale de Lausanne (EPFL)
15:00	VI <i>Climate4Wood: Thermo-hygro-mechanical Coupled Modelling of Oak Wooden Museum Objects</i> M.Sc. Rianne A. Luimes Department of Built Environment, Technische Universiteit Eindhoven
15:30 - 16:00	Coffee Break
16:00	VII <i>Hygro-mechanical Structural Analysis of Keyboard Instruments</i> Dipl.-Ing. Daniel Konopka Institute for Structural Analysis, Technische Universität Dresden
16:30	VIII <i>A Frequency Domain Correlation Approach for the Assessment of Wooden Musical Instruments</i> Prof. Dr. Marco A. Pérez Department of Industrial Engineering, IQS School of Engineering - Universitat Ramon Llull
17:00	IX <i>Virtual Prototyping: A Potential Tool for Wooden Cultural Heritage Studies</i> M.Sc. Romain Viala Department of Applied Mechanics, FEMTO-ST Institute, Besançon
19:00	<i>Concert at Händel-Haus</i> Ekkehard Wölk Trio Berlin Jazz
ca. 20:00	<i>Conference Dinner</i> Hallesches Brauhaus · Große Nikolaistraße 2 · 06108 Halle (Saale)

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Friday April 29

09:00	X	<i>Development of a Numerical Model to Simulate the Effect of new Support Designs for a Wooden Shipwreck</i> Prof. Dr. Kristofer Gamstedt Department of Engineering Sciences, Applied Sciences, Uppsala University
09:30	XI	<i>Measurement of Mechanical Properties of Wooden Supports of Original Panel Paintings</i> Prof. em. Luca Uzielli Dept. GESAAF (Management of Agricultural, Food and Forestry Systems), University of Florence
10:00	XII	<i>Compression Set and Cupping of Painted Wooden Panels</i> Dr. habil. Joseph Gril Laboratoire de Mécanique et Génie Civil (LMGC), CNRS, University of Montpellier
10:30 - 11:00	Coffee Break	
11:00	XIII	<i>Bringing back Historical Instruments to Playing Conditions: Measuring Changes</i> Dr. Sandie Le Conte Cité de la musique, Paris
11:30	XIV	<i>The effects of Hygro-mechanical Variations on Conservation of Historical Wooden Musical Instruments</i> Prof. Dr. Marco Fioravanti Dept. GESAAF (Management of Agricultural, Food and Forestry Systems), University of Florence
12:00	XV	<i>The MUSICES-Project: Towards a Standard for 3D-computed Tomography of Musical Instruments</i> Dipl.-Rest. M.A. Sebastian Kirsch Germanisches Nationalmuseum, Nürnberg
12:30	Closing	