SERVICE



Dates

April 28 to 29, 2016

Venue

Stiftung Händel-Haus Große Nikolaistraße 5 · 06108 Halle (Saale) · Germany

RECOMMENDED HOTELS

Dorint Hotel

Dorotheenstraße 12

06108 Halle (Saale)

phone: +49(0)345 - 29 23-0

email: info.halle-charlottenhof@dorint.com

Ankerhof Halle

Ankerstraße 2

06108 Halle (Saale)

phone: +49(0)345 - 232 32 00

email: reception@ankerhofhotel.de

Low capacities! Early booking is recommended.

GENERAL INFORMATION

Tourist Information Marktplatz 13 06108 Halle (Saale)

phone: +49(0)345 - 122 99 84

email: touristinfo@stadtmarketing-halle.de

ORGANISATION

Institute for Structural Analysis

Technische Universität Dresden
Faculty of Civil Engineering
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phone: +49(0)345 – 500 90 221 fax: +49(0)345 – 500 90 416 email: stiftung@haendelhaus.de www.haendelhaus.de/en

REGISTRATION

Symposium Fee

Early: 65 € (until March 20, 2016) Late: 100 € (until April 21, 2016)

On site: 130 €

(conference proceedings, coffee breaks, concert ticket and conference dinner included)

Registration

Registration and transfer is possible until April 21, 2016. An acknowledgement of the registration will be sent. Registrations may be cancelled up to April 21, 2016 with a full refund of the conference fee. After this date, a cancellation fee of $25 \in$ will be charged. Registration after April 21 is only possible at venue by cash with an extra fee of $30 \in$.

Attention! Limited to 90 participants!

Registrate via email at **daniel.konopka@tu-dresden.de**. Registration will be completed by transferring the fee to the following bank account:

Technische Universität Dresden Bank: Commerzbank

IBAN: DE52 8504 0000 0800 4004 00

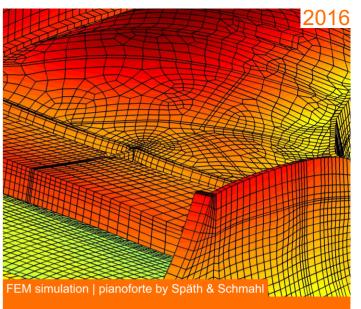
SWIFT: COBADEFF850

Purpose: D-000089-001-1140901

WCE2016, surname, first name

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STIFTUNG HÄNDEL-HAUS HALLE



ANALYSIS AND CHARACTERISATION OF WOODEN CULTURAL HERITAGE BY SCIENTIFIC ENGINEERING METHODS

INTERNATIONAL

CONFERENCE

April 28 - 29, 2016





ANALYSIS AND CHARACTERISATION OF WOODEN CULTURAL HERITAGE BY SCIENTIFIC ENGINEERING METHODS



Halle (Germany)

28.-29.04.2016

The use of wood has a long tradition and is closely linked to the cultural evolution of mankind. Widely available and easy to work, wood has been used not only as timber for construction but also as a raw material for carving and sculpting. Great works of art such as paintings on wood, religious sculptures, musical instruments and furniture demonstrate the skills and virtuosity of past generations and cultures.

These objects are exposed to mechanical and climatic stress as well as biological deterioration, factors leading eventually to visible ageing of the material. String loads on stringed musical instruments, heating of indoor environments, climate change and moisture damage cause deformation and irreversible damage such as cracks. To preserve our cultural heritage for future generations various research activities have been conducted over the last decades, and the topic continues to be highly important. Properties of wood as a material and conservation issues of wooden objects have been subject of numerous research projects, networks and conferences, activities which have considerably advanced our knowledge. Materials scientists, mechanical and acoustical engineers, conservators and museums cooperate in the interest of conserving our cultural heritage.

The symposium aims to favour the scientific exchange between researchers in the fields of the analysis of cultural heritage with engineering methods, and of the structural characterisation of objects such as musical instruments. Conservators are welcome to participate in the symposium, to join the discussion on tolerable climate fluctuations in museums, and to share their experiences of the impact of indoor climates on museum objects. Finally, the symposium will also be suitable as an introduction into the topic for early stage researchers, as the problems of the deterioration of wooden cultural heritage, for example due to climate variations, will remain important, and because the engineering methods currently being developed have important potential to contribute to their solution.

PROGRAMME

THURSDAY, April 28, 2016

9 am	Registration
10 am	Opening
10.30 am – 12 am	Session I
	BREAK
2 pm - 3.30 pm	Session II
	BREAK
4 pm – 5.30 pm	Session III
7 pm	Concert *
ca. 8 pm	Conference Dinner **

FRIDAY, April 29, 2016

9 am – 11 am	Session IV
	BREAK
11.30 am – 1 pm	Session V
1 pm – 1.30 pm	Closing

^{*} Concert: Ekkehard Wölk Trio, Berlin | Jazz

SYMPOSIUM TOPICS

multi-physical FE-modelling wood material modelling climate influences

musical instruments panel paintings, sculptures, and others conservation conditions

Current information on the programme and lectures

www.tu-dresden.de/isd/veranstaltungen

PROJECT

This symposium is part of the common project "Modelling and Characterization of the Structural Behaviour of Wooden Cultural Heritage under Hygro-mechanical Loading."

http://gepris.dfg.de/gepris/project/240287377



www.tu-dresden.de/isd www.ifb.ethz.ch/ www.haendelhaus.de/en/ www.ville-ge.ch/meg





REFERENTS

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Institute for the Preservation of Cultural Heritage, Yale University

Prof. Dr. Marco Fioravanti

Dept. GESAAF (Management of Agricultural, Food and Forestry Systems), University of Florence

Prof. Dr. Kristofer Gamstedt

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The Courtauld Institute of Art. London

SYMPOSIUM CHAIRS

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Prof. Dr.-Ing. habil. Dr. h.c. Peter Niemz Institute for Building Materials, Wood Physics, ETH Zurich

Clemens Birnbaum Stiftung Händel-Haus Halle

Dr. Dipl.-Chem. Kilian Anheuser Musée d'ethnographie de Genève

^{**} Conference Dinner: Hallesches Brauhaus · Große Nikolaistraße 2 · 06108 Halle (Saale)