**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@ankershofhotel.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

Institute for Structural Analysis

Technische Universität Dresden
Faculty of Civil Engineering
Georg-Schumann-Str. 7 · 01062 Dresden · Germany
email: daniel.konopka@tu-dresden.de
www.tu-dresden.de/isd

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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

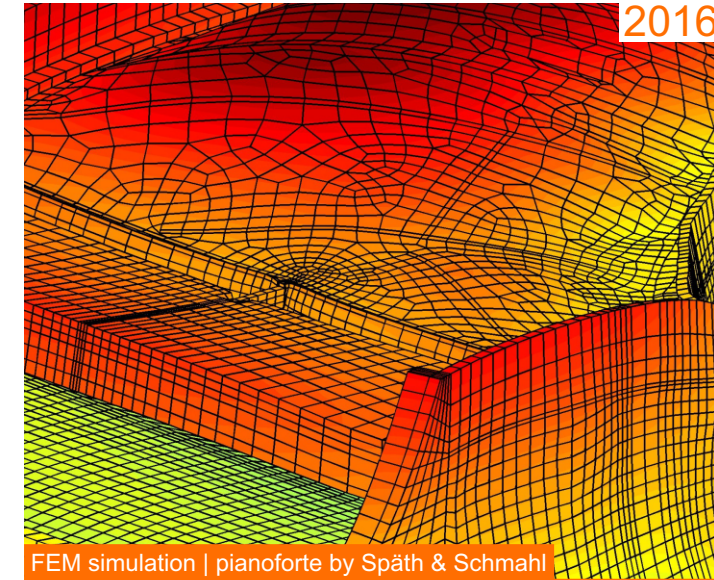
Registration and transfer is possible until April 21, 2016. An acknowledgement of the registration will be sent. Registrations may be cancelled up to April 21, 2016 with a full refund of the conference fee. After this date, a cancellation fee of 25 € will be charged. Registration after April 21 is only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

Attention! Limited to 90 participants!

Register 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

Steuernummer (Germany): 203/149/02549
Tax-ID (foreign countries): DE 188 369 991



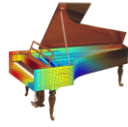
FEM simulation | pianoforte by Späth & Schmahl

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.

THURSDAY, April 28, 2016

9 am	Registration
10 am	Opening
10.30 am – 12 am	Session I B R E A K
2 pm – 3.30 pm	Session II B R E A K
4 pm – 5.30 pm	Session III
7 pm	Concert *
ca. 8 pm	Conference Dinner **

FRIDAY, April 29, 2016

9 am – 10.30 am	Session IV B R E A K
11 am – 12.30 pm	Session V
12.30 pm – 1 pm	Closing

* Concert: Ekkehard Wölk Trio, Berlin | Jazz

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

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/bu/bauingenieurwesen/sdt/tagungen/2016

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



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Clemens Birnbaum
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