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Leibniz
Universität
Hannover

ETH
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Venue

Leibnizhaus
Holzmarkt 5
30159 Hannover

Arrival

Public Transport from Central Station:

Subway 3, 7 (Wettbergen) or 9 (Empelde) to
„Markthalle/Landtag“ (5 min. walk to „Holzmarkt“).

Plane:

Take the S5 at the airport to destination „Hannover
Hauptbahnhof“ (Hanover Central Station).

Car:

Parking deck Schmiedestr. 13

Accommodation

Concorde Hotel am Leineschloss
Am Markte 12, 30159 Hannover

Hotel an der Marktkirche
Gruppenstraße 10, 30159 Hannover

Organization Committee

Prof. Dr. Alfred Effenberg & Dr. Gerd Schmitz
Leibniz University Hannover
Institute of Sports Science
www.sonification-online.com

Dr. Peter Wolf
ETH Zurich
Sensory Motor Systems Lab
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International Conference on Multisensory Motor Behavior: Impact of Sound



30.9. & 1.10. 2013
Leibnizhaus Hannover, Germany



Multisensory Motor Behavior: Impact of Sound

Leading experts in the fields of sports science, rehabilitation, engineering, and neuroscience will highlight the current state and future directions on the following issues:

- Theoretical frameworks and related experiments: How does auditory movement information shape multisensory representations controlling motor behavior?
- Technical systems and mapping functions, e.g. sonification: How to generate auditory movement information?
- Empirical evidence in sports and rehabilitation: How to display movement variables acoustically in order to optimize motor learning and training paradigms?

Invited lectures, oral presentations, and posters address research in the fields of multisensory motor behavior, perception and cognitive processing of auditory information, sensor technology and auditory displays, and efficiency of auditory and multisensory feedback. A special focus will be given to hands-on demos of movement sonification.

Keynotes

“Producing and perceiving sounds together“

Prof. Guenther Knoblich
Central European University, Budapest
Department of Cognitive Science

“Multisensory influences on motor behavior and vice versa“

Prof. Charles Spence
University of Oxford
Department of Experimental Psychology

“Recovery of unisensory deficit following multisensory stimulation“

Prof. Elisabetta Làdavas
University of Bologna
Department of Psychology

“Augmented visual and auditory feedback and the acquisition of coordination skills“

Prof. Stephan Swinnen
Catholic University (KU) Leuven
Movement Control & Neuroplasticity Research Group

“Movement sonification and interactive sound art“

Prof. Gerhard Eckel
University of Music and Performing Arts, Graz
Institute of Electronic Music and Acoustics

“Sonification of physical quantities: an overview of the most used mapping strategies“

Prof. Robert Bresin
KTH Royal Institute of Technology, Stockholm
Department of Speech, Music and Hearing

“The benefits and costs of multisensory perception“

Prof. Marc Ernst
University of Bielefeld
Department of Cognitive Neuroscience & Cognitive Interaction Technology
Center of Excellence (CITEC)

Registration

Registration deadline: 31.08.2013
Registration form available at:
www.sonification-online.com/conference/

Participation Fee

Basic fare: 140 € (Box office: 160 €)
Students: 85 € (Box office: 105 €)

The participation fee includes a social event/dinner as well as refreshments during the conference.

Submission

Submission deadline: 15.07.2013
Authors appointed for presentation will be informed by 15.08.2013 as to whether their paper has been accepted for oral presentation or poster session.