**Tidsskrift artikler**


**Bokkapitler**

The Effect of Auditory Pulse Clarity on Sensorimotor Synchronization


Movements, timing and precision of drummers


The challenge of a lifetime


**Gestures in performance**


Movements and analysis of drumming.


**Konferensbidrag**

HearWalk: Co-designing and Building a Sound Feedback System for Hemiparetic Gait Training


Applying Concurrent Auditory Feedback on Swing Phase Kinematics in Hemiparetic Gait Training


User-Centered Design of Auditory Feedback for Hemiparetic Gait Rehabilitation


Sonifying Gait Kinematics Using the Sound of Wading: A Study on Ecological Movement Representations

Kantan, P. R., Dahl, S., Serafin, S. & Spaich, E. G., jun. 2023, *The 28th International Conference on Auditory Display (ICAD 2023)*. 8 s. 5049

Sound-Guided 2-D Navigation: Effects of Information Concurrency and Coordinate System

Kantan, P. R., Dahl, S. & Spaich, E. G., 8 okt. 2022, *Participative Computing for Sustainable Futures - Proceedings of the 12th Nordic Conference on Human-Computer Interaction, NordiCHI 2022*. Association for Computing Machinery, 11 s. 40

Designing Sonified Feedback on Knee Kinematics In Hemiparetic Gait Based on Inertial Sensor Data

Performers’ Use of Space and Body in Movement Interaction with A Movement-based Digital Musical Instrument

Sonifying Walking: A Perceptual Comparison of Swing Phase Mapping Schemes
Kantan, P. R., Dahl, S., Spaich, E. G. & Bresin, R., 2022, Proceedings of iSon 2022, 7th Interactive Sonification Workshop, BSCC, University of Bremen, Germany, September 22–23, 2022. 8 s.

Beat precision and perceived danceability in drum grooves

A Metaphor-Based Technical Framework for Musical Sonification in Movement Rehabilitation
Kantan, P. R., Spaich, E. G. & Dahl, S., jun. 2021, The 28th International Conference on Auditory Display. 8 s.

Auditory biofeedback through real-time generated music for balance and gait training of stroke patients

Conveying Sit-to-Stand Kinematics Through Musical Sonification for Stroke Rehabilitation

Characterizing Subtle Timbre Effects of Drum Strokes Played with Different Technique

Rhythm Rangers: an evaluation of beat synchronisation skills and musical confidence through multiplayer gamification influence

Evaluating movement qualities with visual feedback for real-time motion capture

ADEPT: Exploring the Design, Pedagogy, and Analysis of a Mixed Reality Application for Piano Training

An Interactive Music Synthesizer for Gait Training in Neurorehabilitation

Communicating Gait Performance Through Musical Energy: Towards an Intuitive Biofeedback System for Neurorrehabilitation

Extraction, mapping, and evaluation of expressive acoustic features for adaptive digital audio effects

Incorporating virtual reality in an embodied interaction course
Rhythmic recurrency in dance to music with ambiguous meter

An Expressive Multidimensional Physical Modelling Percussion Instrument

NordicSMC: A Nordic University Hub on Sound and Music Computing

Timbre Discrimination for Brief Instrument Sounds
Bigoni, F. & Dahl, S., 2018, Proceedings of the 19th International Society for Music Information Retrieval Conference. dblp Computer Science Bibliography, s. 128-134

Embodied Interaction through Movement in a Course Work

Does Singing a Low-Pitch Tone Make You Look Angrier?

Exploring Sound-Motion Textures in drum set performance

Extraction, Mapping, and Evaluation of Expressive Acoustic Features for Adaptive Digital Audio Effects

Exploring felt qualities of embodied interaction with movement and sound

Sketches in Embodied Interaction: Balancing Movement and Technological Perspectives

Sound and music computing at Aalborg University in Copenhagen

Good playing practice when drumming: Influence of tempo on timing and preparatory movements for healthy and dystonic players
**Effect of dynamic level in drumming: Measurement of striking velocity, force, and sound level**

4 s.

**Timing and motor control in drumming: Comparing players with and without focal dystonia.**

**Disturbed moving patterns when drumming - influence of extreme tempi on percussionists with and without focal dystonia**

Influences of movement and grip on perceptual and measured tone quality in drumming

Motor control in drumming: Influence of movement pattern on contact force and sound characteristics

Sound production in healthy and diseased drummers: an acoustic and movement analysis approach.

High pitch - friendly face.

The influence of Body Morphology on Preferred Dance Tempos.

Production and perception of gestures in music performance.

Motor behaviour in drumming with different striking tools: Effects of tempo on control of rebound.

**Aktiviteter**

**Movement and Timing Control in Music Performance**
Sofia Dahl (Foredragsholder)
4 jun. 2021

**Movement qualities in different time frames**
Sofia Dahl (Foredragsholder)
5 maj 2021

**16th Sound and music computing conference**
Sofia Dahl (Deltager)
28 maj 2019 → 31 maj 2019

**NordicSMC Winter School**
Sofia Dahl (Deltager)
4 mar. 2019 – 8 mar. 2019
6th International Conference on Movement and Computing
Sofia Dahl (Arrangør) & Cumhur Erkut (Arrangør)
2019 → …

The Journal of Somaesthetics (Tidsskrift)
Cumhur Erkut (Redaktør) & Sofia Dahl (Redaktør)
2019

RITMO International Motion Capture Workshop
Sofia Dahl (Deltager)
12 nov. 2018 → 14 nov. 2018

5th International Conference on Movement and Computing, MOCO 2018
Sofia Dahl (Arrangør)
28 jun. 2018 → 30 jun. 2018

Journal of Somaesthetics (Tidsskrift)
Sofia Dahl (Redaktør) & Cumhur Erkut (Redaktør)
mar. 2018 → jan. 2019

4th International conference on movement and computing
Sofia Dahl (Deltager)
28 jun. 2017 → 30 jun. 2017

4th International conference on movement and computing
Sofia Dahl (Deltager)
28 jun. 2017 → 30 jun. 2017

Workshop: Training, Sharing, and Enacting: Somaesthetics of Rhythmic Interaction
Cumhur Erkut (Foredragsholder) & Sofia Dahl (Foredragsholder)
28 jun. 2017

First International Workshop on Motor Learning for Music Performance
Sofia Dahl (Deltager), minho song (Deltager) & Rolf Inge Godøy (Deltager)
15 maj 2017

New Interfaces for Musical Expression 2017
Sofia Dahl (Arrangør)
2017 → …

Frontiers in Psychology (Tidsskrift)
Guy Madison (Redaktør), Jessica Grahn (Redaktør), Sofia Dahl (Fagfællebedømmer) & Fabien Gouyon (Redaktør)
2014 → …

Research Topic Functions of musical rhythm (Tidsskrift)
Sofia Dahl (Redaktør)
31 okt. 2013 → 30 jun. 2014

International symposium on performance science
Sofia Dahl (Arrangør)
28 aug. 2013 → 31 aug. 2013

SMAC Stockholm Music Acoustics Conference 2013 SMC Sound and Music Computing Conference 2013
Sofia Dahl (Arrangør)
30 jul. 2013 → 3 aug. 2013
Expression and control in music performance: The role of musicians' movements
Sofia Dahl (Oplægsholder)
4 jun. 2013

9th Sound and Music Computing Conference (SMC 2012)
Sofia Dahl (Arrangør)

Sound and Music Computing, Understanding and Practicing in Sweden
Sofia Dahl (Arrangør)
3 apr. 2012 → 4 apr. 2012

13th International Rhythm Perception and Production Workshop
Sofia Dahl (Arrangør)
13 jul. 2011 → 15 jul. 2011

ASME 2011 World Conference on Innovative Virtual Reality (WINVR2011)
Sofia Dahl (Arrangør)
27 jun. 2011 → 29 jun. 2011

Journal of New Music Research (Tidsskrift)
Sofia Dahl (Anmelder)
1 jan. 2011 → …

Journal of New Music Research (Tidsskrift)
Sofia Dahl (Fagfællebedømmer)
2011 → …

Haptic Audio Interaction Design
Sofia Dahl (Arrangør)
16 sep. 2010 → 17 sep. 2010

The striking movement:: How do percussionists control timing and dynamic level when drumming?
Sofia Dahl (Foredragsholder)
11 feb. 2010

The striking movement:: How do percussionists control timing and dynamic level when drumming?
Sofia Dahl (Foredragsholder)
11 feb. 2010

Movement and timing control in drummers.
Sofia Dahl (Foredragsholder)
20 nov. 2009