

Mads Walther-Hansen  
Associate Professor  
Department of Communication and Psychology  
The Faculty of Social Sciences and Humanities  
Art, Aesthetics & Health  
Music & Sound Knowledge Group  
et (&): Aesthetics & experiences  
MASSHINE  
**Type of address: Visiting address.**  
Musikkens Plads 1  
9000  
Aalborg  
Denmark  
Email: mwh@ikp.aau.dk  
Phone: +4599409053



## Research profile

Research leader of the Music and Sound Knowledge Group. My research focuses on sound and music cognition, particularly how sound qualities in music are conceptualized and how sound designers, audio engineers, and others can interact meaningfully with sound. I also do research on entrepreneurship in the music industry.

## Employment

### Associate Professor

Associate Professor  
Department of Communication and Psychology  
The Faculty of Social Sciences and Humanities  
Aalborg, Denmark  
1 May 2013 → 31 Dec 4712

## Publications

### Sound Strategies: Music Entrepreneurship Between Art, Market, and Society

Walther-Hansen, M., 2026, (In preparation) Palgrave Macmillan. (Palgrave Studies in Sound).

### Less-Is-More: Auditory Strategies for Reduced Reality

Grimshaw-Aagaard, M. N. & Walther-Hansen, M., Oct 2024, In: Personal and Ubiquitous Computing. 28, 5, p. 713-725 13 p.

### Artistic Intuition and Algorithmic Prediction in Music Production

Walther-Hansen, M., 2024, *Innovation in Music: Innovation Pathways*. Gullö, J.-O., Hepworth-Sawyer, R., Hook, D., Marrington, M., Paterson, J. & Toulson, R. (eds.). New York: Routledge, p. 193-202 9 p.

### Enacting the Environment Through Sound: Reflections on the Use of Cognitive Metaphors as a Design Framework in Sound Interaction Design

Walther-Hansen, M., 2024, *The Routledge Handbook of Sound Design*. Filimowicz, M. (ed.). Routledge, p. 37-48 12 p. (Routledge Sound Design Series).

### Forceful Action and Interaction in Non-Haptic Music Interfaces

Walther-Hansen, M. & Eskildsen, A., 2024, *Innovation in Music: Technology and Creativity*. Gullö, J.-O., Hepworth-Sawyer, R., Paterson, J., Toulson, R. & Marrington, M. (eds.). Routledge: Routledge, 14 p.

### Digital kulde og klanglig realisme: Populærmusik, lydteknologi og skiftende lydidealer

Walther-Hansen, M., 2023, In: TEMP - tidsskrift for historie. 13, 26, p. 68-85

**Lean-Entrepreneurship in Higher Music Education**  
Walther-Hansen, M., 2023.

**Musik og entreprenørskab: Muligheder og barrierer i musiklivet**  
Walther-Hansen, M., 2022, Samfunds litteratur. 175 p.

**Danish Musicology Online Vol. 10**  
Walther-Hansen, M. (Editor), Ringsager, K. (Editor), Lind, T. T. (Editor) & Borcak, L. M. L. W. (Editor), 2021

**Hvordan lyder lyden?**  
Walther-Hansen, M. (Producer), 2021

**Don't Extend! Reduce! The Sound Approach to Reality**  
Walther-Hansen, M. & Grimshaw-Aagaard, M. N., 17 Sept 2020, *Proceedings of the 15th International Conference on Audio Mostly*. Association for Computing Machinery (ACM), p. 8-15 8 p.

**Force dynamics as a design framework for mid-air musical interfaces**  
Eskildsen, A. & Walther-Hansen, M., 2020, *Proceedings of the International Conference on New Interfaces for Musical Expression 2020*. Birmingham City University, p. 361-366 6 p. (Proceedings of the International Conference on New Interfaces for Musical Expression).

**Making Sense of Recordings: How Cognitive Processing of Recorded Sound Works**  
Walther-Hansen, M., 2020, Oxford University Press. 160 p.

**Introduction: Volume 2**  
Grimshaw-Aagaard, M., Walther-Hansen, M. & Knakergaard, M., 1 Jan 2019, *The Oxford Handbook of Sound and Imagination, Volume 2*. Oxford University Press, p. 1-11 11 p.

**Danish Musicology Online Vol. 9**  
Lind, T. T. (Editor), Ringsager, K. (Editor), Walther-Hansen, M. (Editor) & Borcak, L. M. L. W. (Editor), 2019

**Introduction: Volume 1**  
Grimshaw-Aagaard, M. N., Walther-Hansen, M. & Knakergaard, M., 2019, *The Oxford Handbook of Sound and Imagination, Volume 1*. Grimshaw-Aagaard, M., Walther-Hansen, M. & Knakergaard, M. (eds.). New York: Oxford University Press, Vol. 1.

**Introduction: Volume 2**  
Grimshaw-Aagaard, M. N., Walther-Hansen, M. & Knakergaard, M., 2019, *The Oxford Handbook of Sound and Imagination, Volume 2*. Grimshaw-Aagaard, M., Walther-Hansen, M. & Knakergaard, M. (eds.). Oxford University Press, Vol. 2.

**Ny Dansk Musikvidenskab - I kort format: Forord**  
Walther-Hansen, M., Ringsager, K., Lind, T. T. & Borcak, L. M. L. W., 2019, In: Dansk Musikforskning Online. DMO Særnummer 2019

**Ny dansk musikvidenskab - I kort format (særnummer af DMO 2019)**  
Walther-Hansen, M. (Editor), Ringsager, K. (Editor), Lind, T. T. (Editor) & Borcak, L. W. (Editor), 2019, DMO Særnummer 2019 ed. Danish Musicology Online.

**Sound Quality, Language, and Cognitive Metaphors**  
Walther-Hansen, M., 2019, *The Oxford Handbook of Sound and Imagination*. Grimshaw-Aagaard, M., Walther-Hansen, M. & Knakergaard, M. (eds.). Oxford University Press, Vol. 1.

**The Oxford Handbook of Sound and Imagination Vol. 1**

Grimshaw-Aagaard, M. (Editor), Walther-Hansen, M. (Editor) & Knakergaard, M. (Editor), 2019, Oxford University Press. 862 p.

**The Oxford Handbook of Sound and Imagination Vol. 2**

Grimshaw-Aagaard, M. N. (Editor), Walther-Hansen, M. (Editor) & Knakergaard, M. (Editor), 2019, Oxford University Press. 689 p.

**New and Old User Interface Metaphors in Music Production**

Walther-Hansen, M., 2017, In: Journal on the Art of Record Production. 11

**Balancing Audio: Towards a Cognitive Structure of Sound Interaction in Music Production**

Walther-Hansen, M., 2016, *Music, Mind, and Embodiment: 11th International Symposium, CMMR 2015*. Springer, p. 228-242 15 p. (Lecture Notes in Computer Science, Vol. 9617).

**Being in a Virtual World: Presence, Environment, Salience, Sound**

Walther-Hansen, M. & Grimshaw, M., 2016, *Proceedings of the 11th Audio Mostly Conference: A Conference on Interaction With Sound*. Association for Computing Machinery (ACM), p. 77-84 8 p.

**Tangible Mix as a Learning Tool for Music Production**

Gelineck, S. & Walther-Hansen, M., 2016.

**I Will Resist Being Labelled: Interview med Professor Mark Grimshaw**

Walther-Hansen, M., 8 Apr 2015, In: Seismograf/DMT.

**Danish Musicology Online - særnummer om lyd og musikproduktion**

Knakergaard, M. (Editor) & Walther-Hansen, M. (Editor), 2015

**Examining the Changing Discourse of Recorded Popular Music using a Corpus-Based Approach**

Walther-Hansen, M., 2015.

**Music Production and Embodiment: Exploring the Balance Metaphor using a Corpus-Based Approach**

Walther-Hansen, M., 2015, *Proceedings of the 11th International Symposium on Computer Music Multidisciplinary Research*. Aramaki, M., Kornland-Martinet, R. & Ystad, S. (eds.). Marseille: The Laboratory of Mechanics and Acoustics, p. 375-387 (L M A. Publications).

**Sound Events, Spatiality and Diegesis: The Creation of Sonic Narratives in Music Production**

Walther-Hansen, M., 2015, In: Dansk Musikforskning Online. Særnummer, p. 29-46 18 p.

**Særnummer om lyd og musikproduktion**

Knakergaard, M. & Walther-Hansen, M., 2015, In: Dansk Musikforskning Online. p. 1-2 2 p.

**The Balance Metaphor in Music Production**

Walther-Hansen, M., 2015.

**The Sound of the Smell of My Shoes**

Grimshaw, M. & Walther-Hansen, M., 2015, *AM'15 Proceedings of the Audio Mostly 2015 on Interaction With Sound*. Association for Computing Machinery (ACM), 8 p. 18

**Proceedings of the 9th Audio Mostly: A Conference on Interaction With Sound**

Grimshaw, M. (Editor) & Walther-Hansen, M. (Editor), 1 Oct 2014, 219 p. Association for Computing Machinery (ACM).

**Det ambientes fænomenologi: Anmeldelse af Ulrik Schmidts bog Det Ambiente**  
Walther-Hansen, M., 14 Feb 2014, In: Seismograf/DMT. 5 p.

**Perceptual Effects of Dynamic Range Compression in Popular Music Recordings**  
Hjortkjær, J. & Walther-Hansen, M., Jan 2014, In: Journal of the Audio Engineering Society. 62, 1/2, p. 37-41 5 p.

**The Force Dynamic Structure of the Phonographic Container: How Sound Engineers Conceptualise the 'Inside' of the Mix**  
Walther-Hansen, M., 2014, In: Journal of Music and Meaning. 12, p. 89-115

**Conceptualising the Effect of Dynamic Range Compression in Popular Music Production**  
Walther-Hansen, M., 2013.

**The Perception of Sounds in Phonographic Space**  
Walther-Hansen, M., 2012, Københavns Universitet, Det Humanistiske Fakultet.

**Crooneren og growleren: Stemmen i fonogrammets rum**  
Walther-Hansen, M., Mar 2011, In: Omlyd. 2

**Perceiving Depth and Distance in Recorded Music**  
Walther-Hansen, M., 2011, *Proceedings of Art of Record Production Conference*.

**The Dynamic Structure of Phonographic Space**  
Walther-Hansen, M., 2010, *Proceedings of Art of Record Production Conference*.

**Mapping out the Sound Stage in Modern Popular Music Recordings**  
Walther-Hansen, M., Oct 2009, *Proceedings of Motion and Emotion Within Place*.

**The Influence of Music Technology on the Perception of the Performer in Phonographic Space**  
Walther-Hansen, M., 2009, *Proceedings of Art of Record Production Conference*.

## Activities

**"Varme, runde, bløde og pågående lyde" – Hvordan forstår og interagerer vi med lyd i lydstudiet?**  
Walther-Hansen, M. (Lecturer)  
3 Mar 2025

**Social Music Entrepreneurship**  
Walther-Hansen, M. (Lecturer)  
23 Sept 2024

**Music Entrepreneurship**  
Walther-Hansen, M. (Lecturer)  
2 Sept 2024

**Have You Tried Trusting Your Intuition - Decision-Making in the Recording Studio**  
Walther-Hansen, M. (Lecturer)  
16 Jun 2024

**Innovation in Music**  
Walther-Hansen, M. (Participant)  
14 Jun 2024 → 16 Jun 2024

**Lydkrydderi til din kaffe**  
Walther-Hansen, M. (Lecturer)  
10 Jun 2024

**Music, Entrepreneurship and Music Production**  
Walther-Hansen, M. (Lecturer)  
4 Dec 2023

**Digital Coldness and Sonic Realism**  
Walther-Hansen, M. (Lecturer)  
24 Nov 2023

**Digital og teknologisk dannelses - Musikproduktion og kunstig intelligens**  
Walther-Hansen, M. (Lecturer)  
5 Oct 2023

**Musik og socialt entreprenørskab**  
Walther-Hansen, M. (Guest lecturer)  
2 Oct 2023

**Musik og entreprenørskab**  
Walther-Hansen, M. (Guest lecturer)  
4 Sept 2023

**Artistic Work and Algorithmic Prediction in the Recordings Studio**  
Walther-Hansen, M. (Speaker)  
2 Jul 2023

**Innovation in music**  
Walther-Hansen, M. (Participant)  
30 Jun 2023 → 2 Jul 2023

**Book presentation: Making Sense of Recordings: How Cognitive Processing of Recorded Sound Works.**  
Walther-Hansen, M. (Speaker)  
16 Jun 2023

**Lean Entrepreneurship in Higher Music Education**  
Walther-Hansen, M. (Speaker)  
14 Apr 2023

**Society for Arts Entrepreneurship Education Conference**  
Walther-Hansen, M. (Participant)  
13 Apr 2023 → 14 Apr 2023

**Den rytmiske i Nordkraft (External organisation)**  
Walther-Hansen, M. (Member)  
2023 → ...

**Journal of Music Production Research (Journal)**  
Walther-Hansen, M. (Peer reviewer)  
2023 → ...

**Society of Music Production Research (External organisation)**  
Walther-Hansen, M. (Member)  
2023 → ...

**Imagining who: Musicology and its subjects**

Walther-Hansen, M. (Panel member)

24 Nov 2022

**Music Entrepreneurship - Between Art and Business**

Walther-Hansen, M. (Speaker)

30 Jun 2022

**Action and Interaction in Non-Haptic User Interfaces**

Walther-Hansen, M. (Speaker) &amp; Eskildsen, A. (Speaker)

17 Jun 2022 → 19 Jun 2022

**Innovation in Music**

Walther-Hansen, M. (Participant)

17 Jun 2022 → 19 Jun 2022

**Force dynamics as a design framework for mid-air musical interfaces**

Eskildsen, A. (Speaker) &amp; Walther-Hansen, M. (Speaker)

22 Jul 2020

**New Interfaces for Musical Expression**

Walther-Hansen, M. (Participant)

21 Jul 2020

**Danish Sound Day**

Walther-Hansen, M. (Participant)

9 Oct 2019

**Basiskursus i uddannelsesledelse ved danske universiteter**

Walther-Hansen, M. (Participant)

7 Oct 2019 → 26 Nov 2019

**Hvordan smager lyd?**

Walther-Hansen, M. (Lecturer)

11 Sept 2019

**Seminar om akademisk skrivning**

Walther-Hansen, M. (Organizer)

14 Mar 2019

**Cognitive Metaphors and Music**

Walther-Hansen, M. (Speaker)

19 Apr 2017

**11th Art of Record Production Conference**

Walther-Hansen, M. (Organizer)

25 Nov 2016

**11th Audio Mostly Conference**

Walther-Hansen, M. (Speaker) &amp; Grimshaw-Aagaard, M. N. (Speaker)

4 Oct 2016

**11th Audio Mostly Conference**  
Walther-Hansen, M. (Participant)  
4 Oct 2016 → 6 Oct 2016

**Studienævnet for Musik (External organisation)**  
Walther-Hansen, M. (Chairperson)  
Feb 2016 → Feb 2020

**Journal of the Art of Record Production (Journal)**  
Walther-Hansen, M. (Peer reviewer)  
2016 → ...

**10th Art of Record Production Conference**  
Walther-Hansen, M. (Speaker)  
7 Nov 2015

**10th Art of Record Production Conference**  
Walther-Hansen, M. (Participant)  
6 Nov 2015 → 8 Nov 2015

**10th Art of Record Production Conference**  
Walther-Hansen, M. (Participant)  
6 Nov 2015 → 8 Nov 2015

**Audio Mostly 2015**  
Walther-Hansen, M. (Participant)  
7 Oct 2015 → 9 Oct 2015

**Popular Music in the Nordic Region**  
Walther-Hansen, M. (Panel member)  
13 Aug 2015

**17th Nordic Musicological Congress**  
Walther-Hansen, M. (Speaker)  
11 Aug 2015

**17th Nordic Musicological Congress**  
Walther-Hansen, M. (Participant)  
11 Aug 2015 → 14 Aug 2015

**11th International Symposium on Computer Music Multidisciplinary Research**  
Walther-Hansen, M. (Participant)  
16 Jun 2015 → 19 Jun 2015

**2. nordiske konference om lyd- og musikproduktion**  
Walther-Hansen, M. (Organizer)  
12 May 2015 → 13 May 2015

**The Balance Metaphor in Music Production**  
Walther-Hansen, M. (Speaker)  
12 May 2015

**Censorkorpset for kandidatuddannelsen i Musikdidaktik ved IUP (External organisation)**  
Walther-Hansen, M. (Member)  
1 Apr 2015 → ...

**11th International Symposium on Computer Music Multidisciplinary Research**

Walther-Hansen, M. (Speaker)  
2015

**18. IASPM konference**

Walther-Hansen, M. (Participant)  
2015

**Audio Mostly 2015**

Grimshaw-Aagaard, M. N. (Speaker) & Walther-Hansen, M. (Speaker)  
2015

**Danish Musicology Online (Journal)**

Walther-Hansen, M. (Editor)  
2015 → 2022

**Seismograf/DMT (Journal)**

Walther-Hansen, M. (Peer reviewer)  
2015 → ...

**The 9th Art of Record Production Conference:**

Walther-Hansen, M. (Participant)  
4 Dec 2014 → 6 Dec 2014

**SenseCamp'14**

Walther-Hansen, M. (Participant)  
26 Nov 2014

**PhD symposium**

Walther-Hansen, M. (Moderator)  
3 Oct 2014

**Perceptual Effects of Dynamic Range Compression in Popular Music Recordings**

Walther-Hansen, M. (Lecturer)  
22 May 2014

**Sonic Signatures Symposium**

Walther-Hansen, M. (Speaker)  
9 Apr 2014

**Sonic Signatures Symposium**

Walther-Hansen, M. (Participant)  
9 Apr 2014 → 11 Apr 2014

**Audio Mostly 2014**

Walther-Hansen, M. (Organizer)  
2014

**Audio Mostly (Journal)**

Walther-Hansen, M. (Peer reviewer)  
2014 → ...

**Censorkorpset for Musikvidenskab (External organisation)**

Walther-Hansen, M. (Member)

2014 → ...

**Journal of the Audio Engineering Society (Journal)**

Walther-Hansen, M. (Peer reviewer)

2014 → ...

**Studienævnet for Musik (External organisation)**

Walther-Hansen, M. (Member)

2014 → ...

**SenseCamp'13**

Walther-Hansen, M. (Participant)

22 Nov 2013

**Ljud- och musikproduktion**

Walther-Hansen, M. (Speaker)

13 Nov 2013

**Ljud- och musikproduktion**

Walther-Hansen, M. (Participant)

13 Nov 2013 → 14 Nov 2013

**Rum i popmusik**

Walther-Hansen, M. (Guest lecturer)

12 Nov 2013

**Lydredigering i Hindenburg**

Walther-Hansen, M. (Guest lecturer)

11 Oct 2013

**Audio Mostly**

Walther-Hansen, M. (Participant)

2013

**Depth and Distance – Staging Sound horizontally**

Walther-Hansen, M. (Speaker)

4 Dec 2011

**Art of Record Production Conference**

Walther-Hansen, M. (Participant)

2 Dec 2011 → 4 Dec 2011

**The Dynamic Structure of the Phonographic Container**

Walther-Hansen, M. (Speaker)

4 Dec 2010

**6th Art of Record Production Conference**

Walther-Hansen, M. (Participant)

3 Dec 2010 → 5 Dec 2010

**The Influence of Music Technology on the Perception of the Performer in Phonographic Space**

Walther-Hansen, M. (Speaker)

14 Nov 2009

**5th Art of Record Production Conference**

Walther-Hansen, M. (Participant)  
13 Nov 2009 → 15 Nov 2009

**Mapping out the Sound Stage in Modern Popular Music Recordings**

Walther-Hansen, M. (Speaker)  
8 Oct 2009

**Motion and Emotion within Place**

Walther-Hansen, M. (Participant)  
8 Oct 2009

## **Prizes**

**Association for Recorded Sound Collections. Best Historical Research on Record Labels and General Recording Topics for "Making Sense of Recordings: How Cognitive Processing of Recorded Sound Works", Oxford University Press.**  
Walther-Hansen, M. (Recipient), 2021

**Best Paper Award of Audio Mostly 2016**

Walther-Hansen, M. (Recipient) & Grimshaw-Aagaard, M. N. (Recipient), 2016

**Årets underviser - Studienævnet for Kunst, Sundhed og Teknologi, AAU**

Walther-Hansen, M. (Recipient), 2022