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Research profile

Research leader of re:mask – Researchers in Music, Aesthetics, Sound and Cognition. 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 music entrepreneurship.

Employment

Publications

Innovative Listening: Reframing our Engagement with Sound in Music Production
Walther-Hansen, M., 2026, (Accepted/In press) *Innovation in Music*. Routledge

Music Entrepreneurship: Navigating Art, Market, and Society
Walther-Hansen, M., 2026, (Accepted/In press) Palgrave Macmillan. (Palgrave Studies in Sound).

Björk
Walther-Hansen, M., 2025, *Lex - Danmarks Nationalleksikon*. Lex.dk

Joni Mitchell
Walther-Hansen, M., 2025, *Lex - Danmark Nationalleksikon*. Lex.dk

Kassettebånd
Walther-Hansen, M., 2025, *Lex - Danmarks Nationalleksikon*. Lex.dk

LP
Walther-Hansen, M., 2025, *Lex - Danmarks Nationalleksikon*. Lex.dk

Neil Young
Walther-Hansen, M. & Bille, T., 2025, *Lex - Danmarks Nationalleksikon*. Lex.dk

Pladespiller
Walther-Hansen, M., 2025, *Lex - Danmarks Nationalleksikon*. Lex.dk

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, *Samfundslitteratur*. 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.

Making Sense of Recordings: How Cognitive Processing of Recorded Sound Works

Walther-Hansen, M., 2020, Oxford University Press. 160 p.

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 Sænummer 2019

Ny dansk musikvidenskab - I kort format (sænummer af DMO 2019)

Walther-Hansen, M. (Editor), Ringsager, K. (Editor), Lind, T. T. (Editor) & Borcak, L. W. (Editor), 2019, DMO Sænummer 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. & Knakkegaard, M. (eds.). Oxford University Press, Vol. 1.

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, Saliency, 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.

I Will Resist Being Labelled: Interview med Professor Mark Grimshaw

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

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. Sænummer, p. 29-46 18 p.

The Balance Metaphor in Music Production

Walther-Hansen, M., 2015.

Det ambientes fænomenologi: Anmeldelse af Ulrik Schmidts bog Det Ambiente

Walther-Hansen, M., 14 Feb 2014, In: Seismograf/DMT. 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 fonogrammet 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

Innovative Listening: Reframing our Engagement with Sound in Music Production

Walther-Hansen, M. (Lecturer)

14 Jun 2025

Innovation in Music

Walther-Hansen, M. (Participant)

13 Jun 2025 → 15 Jun 2025

"Varme, runde, bløde og pågående lyde" – Hvordan forstår og interagerer vi med lyd i lydstudiet?

Walther-Hansen, M. (Lecturer)

3 Mar 2025

Fagansvarlig på Lex.dk - Danmarks Nationaleksikon

Walther-Hansen, M. (Other)

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 dannelse - 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) & 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) & 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) & 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 conference
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

Lyddredigering 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