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The Aesthetics of Music and Sound -

www.soundmusicresearch.org - Cross-Disciplinary Interplay between the Humanities, Technology and Musical Practice

Research Director: Cynthia M. Grund

Please note that this pdf-document is only occasionally updated. This version is from September 22, 2012. The website for The Aesthetics of Music and Sound – <http://www.soundmusicresearch.org> – is more comprehensive, continually updated and should be consulted for the most current information about the program and its activities.

Program Description

For several decades, philosophy of music or, more generally, humanistic research in music has concentrated on issues such as

- the relationships between music, language and speech
- the influence on local and global culture exerted by the immediate availability of music from virtually any time and place
- the ways in which agents hear sounds as meaningful and representative, even when they come from the realm of what is usually thought of as “noise”
- the ontological status of the work of music or more narrowly the status of the composition

and, more recently,

- understanding processes in the minds and bodies of performing musicians and their audiences
- inspired by the results of such investigations in music ensembles, getting a deeper understanding of human interaction in communities (or just person to person) in general.

Among the topics to which these considerations give rise are:

- the extension and application of successful music teaching strategies to pedagogical method in general
- expanding the techniques of music pedagogy by integrating those from other disciplines
- assessing the implications of various approaches to music pedagogy with respect to expressivity, mastery, and individuality.

The Aesthetics of Music and Sound, located at the Institute for the Study of Culture (IKV), University of Southern Denmark (SDU), aims at shedding new light upon these questions by regarding music in terms of information and communication, aided by the tools under rapid development within information technology and motion-capture imaging, by practice-based research and by the new perspectives arising within aesthetics as a result of new technologies for studying and producing music.

Please see under “Background” on <http://www.soundmusicresearch.org> for a full description of the goals of the Research Program.

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Projects within the Program

(Project titles are hyperlinked to project descriptions on <http://www.soundmusicresearch.org>.)

1. Understanding Music through Modern Technology

a) **Recognizing Music**

(Jakob Christensen-Dalsgaard, Cynthia M. Grund)

b) **Recognition of Expressive Styles in Music Performance**

(Niklas Saer, Kristoffer Jensen, Mogens Christensen)

The different playing styles of a large number of music instruments will also be investigated in a related performance-based research project.

(Mogens Christensen, Axel Momme, Niklas Saers, Kristoffer Jensen)

c) **Autonomous Agents – An Accompanist in VR**

(Kristoffer Jensen, Lars Graugaard)

d) **The Composition and its Role in the Ensemble**

(Søren R. Frimodt-Møller)

2. Intermediality

a) **Intermediality**

(Lars Ole Sauerberg)

b) **Lyric and Meaning in Music**

(Claudio Cifuentes-Aldunate)

3. Learning through Music

a) **Music Communication**

(Mogens Christensen, Frederik Søegaard, Axel Momme, Hans Sydow)

b) **Children's Knowledge Creation with Intelligent Agents in Music Education - Understanding for Optimizing Motivations**

(Eva Petersson, Tony Brooks, Kristoffer Jensen)

c) **Adaptable Interfaces & Augmented Avatar (JC) - Introducing Tools for Disabled and Musicians in VR**

(Kristoffer Jensen, Tony Brooks, Eva Petersson)

d) **Community Singing and/or Ideology**

(Peter Edlef Nissen; Peter Edlef Nissen is an alumnus of *The Aesthetics of Music and Sound*. This description serves as documentation of Peter Edlef Nissen's research role in the program when he was an active member.)

e) **Creating Creativity**

(Anne Helle Jespersen)

4. Practice-based Research

a) **Analysis and Implementation of Practice-Based Research**

Tere Vadén, William Westney, Fredrik Søegaard, Cynthia M. Grund

b) **Relationship of Gesture to Communicative Authenticity in Performance**

(William Westney, Kristoffer Jensen, Cynthia M. Grund)

c) **Musical Implications of the Work of Selected Philosophers**

(William Westney, Cynthia M. Grund)

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d) Employing the Methods of Discourse Narrative to Support Interpretive Choices Faced by the Practicing Musician

(William Westney, Marianne Horsdal, Cynthia M. Grund)

e) Soundmapping the Genes

(Fredrik Søegaard, Claus Gahrn)

f) A Program of Practice-based Research Designed to Examine Listener Reaction to Olivier Messiaens *Vingt Regards sur l'Enfant Jésus*

(Morten Heide)

g) The Interrelationship of Notation and Performance

(Inge Bjarke)

h) Technological and Aesthetic Investigations of the Physical Movements of Pianists

(William Westney and Cynthia M. Grund as part of the Texas Tech Transdisciplinary Academy research team together with Michael O'Boyle and James Yang)

Researchers in the Program

Inge Bjarke, Lecturer in aural training at The Academy of Music and Dramatic Arts, Southern Denmark/ Syddansk Musikkonservatorium & Skuespillerskole-SMKS; Educated as a pianist, a piano teacher and a teacher in aural training. (The Interrelationship of Notation and Performance)

Tony Brooks, Dept. of Architecture, Design and Media Technology -AD:MT, Aalborg University Esbjerg-AUE (Adaptable Interfaces & Augmented Avatar (JC) - Introducing Tools for Disabled and Musicians in VR)

Mogens Christensen, Academy of Music and Dramatic Arts, Southern Denmark/Syddansk Musikkonservatorium & Skuespillerskole-SMKS (Recognition of Expressive Styles in Music Performance)

Jakob Christensen-Dalsgaard, Institute of Biology, University of Southern Denmark-SDU (Recognizing Music - biological perspectives on music and the emotions)

Claudio Cifuentes-Aldunate. Institute for the Study of Culture, IKV, University of Southern Denmark-SDU (Lyric and Meaning in Music)

Søren R. Frimodt-Møller, Dept. of Architecture, Design and Media Technology - AD:MT (The Composition and its Role in the Music Ensemble; Music and Meaning). For more information, please see www.orkesterfilosofi.dk

Claus Gahrn, Composer, Musician (Soundmapping the Genes)

Lars Graugaard, Composer, Musician (Autonomous Agents – An accompanist in VR)

Cynthia M. Grund, Institute for the Study of Culture, IKV, University of Southern Denmark-SDU (Recognizing Music; Music and Meaning; Relationship of Gesture to Communicative Authenticity in Performance; Musical Implications of the Work of Selected Philosophers; Employing the Methods of Discourse Narrative to Support Interpretative Choices Faced by the Practicing Musician; Technological and Aesthetic Investigations of the Physical Movements of Pianists) For more information, please see <http://www.cynthiamgrund.dk>

Morten Heide, Pianist and Choral Director. Member-at-large, originally a representative of The Academy of Music and Dramatic Arts, Southern Denmark (AMDA)/Syddansk Musikkonservatorium & Skuespillerskole-SMKS. Odense, Denmark, Morten has now completed both degrees. (A Program of Practice-based Research Designed to Examine Listener Reaction to Olivier Messiaen's *Vingt Regards sur l'Enfant-Jésus*) <http://mortenheide.dk/>

Marianne Horsdal, Institute for the Study of Culture, IKV, University of Southern Denmark-SDU (Employing the Methods of Discourse Narrative to support Interpretative Choices Faced by the Practicing Musician)

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- Kristoffer Jensen*, Medialogy, AAUE (Recognition of Expressive Styles in Music Performance; Autonomous Agents - An accompanist in VR)
- Anne Helle Jespersen*, Research Librarian in Music, Head of Music Section; Library of the University of Southern Denmark (SDU). MA in Ethnomusicology and Cultural Communication. (Creating Creativity)
- Axel Momme*, Academy of Music and Dramatic Arts/Syddansk Musikkonservatorium & Skuespillerskole-SMKS (Music Communication; Recognition of Expressive Styles in Music Performance)
- Eva Petersson*, Dept. of Architecture, Design and Media Technology -AD:MT, Aalborg University Esbjerg-AUE (Children's Knowledge Creation with Intelligent Agents in Music Education - Understanding for Optimizing Motivations)
- Niklas Saers*, member-at-large, formerly representing Syddansk Musikkonservatorium & Skuespillerskole-SMKS and Aalborg University Esbjerg-AAUE (Recognition of Expressive Styles in Music Performance)
- Lars Ole Sauerberg*, Institute for the Study of Culture, IKV, University of Southern Denmark-SDU, The University of Southern Denmark-SDU (Intermediality)
- Hans Sydow*, Academy of Music and Dramatic Arts/Syddansk Musikkonservatorium & Skuespillerskole-SMKS (Music Communication)
- Fredrik Sægård*, Academy of Music and Dramatic Arts/Syddansk Musikkonservatorium & Skuespillerskole-SMKS (Soundmapping the Genes, Music Communication)
- Tere Vadén*, Aalto University, Dept. of Art, Helsinki, Finland (Analysis and Implementation of Practice-Based Research) <http://aalto-fi.academia.edu/TereVad%C3%A9n>
- William Westney*, School of Music, Texas Tech University Lubbock, Texas; HCA-Andersen Academy Guest Professor, IFPR-SDU, 2009-2010. (Relationship of Gesture to Communicative Authenticity in Performance ; Musical Implications of the Work of Selected Philosophers; Employing the Methods of Discourse Narrative to Support Interpretive Choices Faced by the Practicing Musician; Technological and Aesthetic Investigations of the Physical Movements of Pianists) For more information, see <http://www.depts.ttu.edu/music/SOM/WilliamWestney.asp>; <http://www.williamwestney.com>; http://www.sdu.dk/Om_SDU/Aarets_gang/HCA%20Academy/HCA%20Academy%20Gaesteprofessorer/William%20Westney.aspx; http://www.soundmusicresearch.org/HCA_Prof.html.

Researchers in the Program: Alumni

- Jens Arnspang*, formerly of Medialogy, Aalborg University Esbjerg-AUE (Recognition of Expressive Styles in Music Performance)
- Peter Edlef Nissen*, Former Research Librarian, University of Southern Denmark-SDU, and Former Director, *Syddansk Sang- og visecenter*/The Song and Ballad Center of Southern Denmark. (Community Singing and/or Ideology)

Representative Program-Relevant Publications by Research Group Members:

(Please note that this is a very selective, not always entirely up-to-date list that does not reflect the total published production of the researchers listed! It is provided here only to give an idea of the sorts of things members of the group have published that are of relevance to the program.)

Bernstein, Marc Kibrick and Anne Helle Jespersen. (2011) *Rytmiske Byggesten. Fra J.S.Bach til James Brown* Book incl. cd (80 pages, 22 tracks) Dansk Sang. ISBN: 978-87-7612-681-0.

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Brooks, Anthony L. (Ed.) *Arts and Technology* Second International Conference, ArtsIT 2011, Esbjerg, Denmark, December 10-11, 2011, Revised Selected Papers Series: *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering* <http://www.springer.com/series/8197>, Vol. 101. 2012, XII, 177 p. 80 illus.

Bjarke, Inge. (2009) *SNAPSHOT- An Introduction to Sight-Reading*. MUFO (English version 2011)

Bjarke, Inge. (1994) *Rytmer med Toner* ("Rhythms with Tones") MUFO.

Bjarke, Inge. (1991) *Musikkens Grundbegreber* ("The Fundamental Concepts of Music") MUFO.

Christensen-Dalsgaard J (2004), "Music and the Origin of Speeches", *JMM: The Journal of Music and Meaning* 2, Spring 2004

<http://www.musicandmeaning.net/issues/showArticle.php?artID=2.2>

Christensen-Dalsgaard J (2006) "Amphibian Bioacoustics." In: *Handbook of Signal Processing*, New York: Springer-Verlag.

Frimodt-Møller, Søren R. (2012) "Just for the Record? The Album Cover as Part of the Listener's Music Experience." Paper at the NMIMIPA Network Meeting July 22, 2012, King's College London on the occasion of the second annual conference of the RMA-MPSG (Royal Musical Association Music and Philosophy Study Group) held at King's College London on July 20-21, 2012, http://www.nnimipa.org/PROGRAM_LONDON_2012_A5.pdf pp. 2-3. (Published abstract.)

Frimodt-Møller, Søren R., Grund, Cynthia M., and Jensen, Kristoffer. (2011b) "From Network to Research: Ten Years of Music Informatics, Performance and Aesthetics". *Peer-reviewed conference proceedings for ArtsIT 2011 - Second International ICST Conference on Arts and Technology December 7-8 - Esbjerg, Denmark*. The Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (ICST) 8 pp. Digital conference proceedings.

Frimodt-Møller, Søren R. (2011a) "Norms, goals and group consciousness: rethinking the dynamics of a music performance." Paper presented at the Inaugural Conference of the Music and Philosophy Study Group (Royal Musical Association) in London, England Department of Music, King's College London, 1--2 July 2011,

<http://www.musicandphilosophy.ac.uk/wp-content/uploads/2011/07/RMA-MPSG-Conference-2011-Programme.pdf>, p. 9. (Published abstract.)

Frimodt-Møller, Søren R. (2010) *Playing by the Rules? A Philosophical Approach to Normativity and Coordination in Music Performance*. PhD dissertation successfully defended by SRFM at The University of Southern Denmark on October 7, 2010. Available online at <http://www.orkesterfilosofi.dk/DissertationMay2010.pdf>.

Frimodt-Møller, Søren R. (2009). "Suggestions for Strategies in Modeling the Role of Reasoning in Ensemble Coordination". In Kurzen, Lena and Velazquez-Quesada, Fernando R. (eds.) *Logic for Dynamics of Information and Preferences. Seminar's Yearbook 2008*. Amsterdam: Institute for Logic, Language and Computation, Universiteit van Amsterdam, pp. 1-18.

Graugaard, Lars (2004). "Open and Closed Form in Interactive Music." In: *Computer Music Modeling and Retrieval, Second International Symposium (CMMR 2004)*, Esbjerg, Denmark. Revised Papers. Berlin & Heidelberg: Springer Verlag, pp. 149-157.

Graugaard, Lars (2000/01). "Interaktiv Computermusik er hverken Interaktiv eller Computermusik", *Dansk Musiktidsskrift*, 75/6, pp. 197-201.

Grund, C. M. and Westney, W. (2012b) "What's so Mysterious about the Ineffable?" Paper presented by Grund and Westney at the NMIMIPA Network Meeting July 22, 2012, King's

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College London on the occasion of the second annual conference of the RMA-MPSG (Royal Musical Association Music and Philosophy Study Group) held at King's College London on July 20-21, 2012, http://www.nnimipa.org/PROGRAM_LONDON_2012_A5.pdf pp. 4-6. (Published abstract.)

Grund, C. M. and Westney, W. (2012a) "Music as Sport." Paper presented (by Grund) at the Annual Meeting of the Danish Philosophical Association/Dansk Filosofisk Selskabs Årsmøde 2012, Roskilde, Denmark.

<http://m.nsuweb.net/dbadm/fpdf/abstracts.php>. (Published abstract.)

Grund, C.M. and Tosovic, Daniel, producers (2011e). Episode in the documentary television program series about the Lunchtime Concert Series at SDU, University of Southern Denmark at Odense. The nearly half-hour long (23:46) episode features concert clips from the February 10, 2011 Lunchtime Concert at SDU as well as interviews in which Gustav Krogh Hansen Piekut, Assoc. Prof. Cynthia M. Grund and Søren R. Frimodt-Møller, PhD participate. Aabenraa, ALT: Aabenraa Lokal TV. The program will be permanently available at <http://vimeo.com/channels/musikmedalt>. During the broadcast week September 26 - October 2, 2011 the program could be viewed on ALT, Aabenraa Lokal TV on the TV Sønderjylland (TV-SDJ) network.

Grund, C. M. and Westney, W. "Pathways to Authenticity in Operatic Interpretation." (2011d) Paper presented by Grund (on site) and Westney (via Skype) at the Inaugural Conference of the Music and Philosophy Study Group (Royal Musical Association) in London, England Department of Music, King's College London, 1--2 July 2011, <http://www.musicandphilosophy.ac.uk/wp-content/uploads/2011/07/RMA-MPSG-Conference-2011-Programme.pdf>, p. 22. (Published abstract.)

Grund, C. M. and Westney, W. (2011c) "Narrative and Music: A Flexible Partnership on the Performing Stage and in the Rehearsal Studio." *Working with Stories. Narrative as a Meeting Place for Theory, Analysis and Practice: Proceedings from the 2nd ENN Conference, Kolding 2011*, pp. 78-92 at

<http://www.narratology.net/sites/www.narratology.net/files/proceedings.pdf>.
Publisher: European Narratology Network (ENN) | www.narratology.net. Collected by Per Krogh Hansen, Chairman of the ENN. ISBN: 978-87-994644-0-1.

Grund, C. M. and Westney, W. (2011b) "Audience as Context/Publikum som kontekst." Paper presented (by Grund) at the Annual Meeting of the Danish Philosophical Association/Dansk Filosofisk Selskabs Årsmøde 2011, Copenhagen, Denmark. <http://filosofi.ku.dk/aarsmoede2011/programmanchetter/>. (Published abstract.)

Grund, C. M., Frimodt-Møller, S. R. and Lorenzen, J. E. "Editorial." (2011a) *JMM: The Journal of Music and Meaning*, vol.9. Accessible online at

<http://www.musicandmeaning.net/articles/JMM9/EditorialJMM9.pdf>.

Grund, Cynthia M.; Araghipour, Janus Høgfældt; Bonne, Jane; Sjødahl, Carsten; Jensen, Leif; Frimodt-Møller, Søren R. (2010e) "Musik for folket!"/"Music for the People!" Documentary TV broadcast (in Danish) about the Lunchtime Concert Series at SDU. Voiceovers and Interviewing by Poul Olsen; Produced by Daniel Tosovic. Aabenraa, ALT: Aabenraa Lokal TV. <http://vimeo.com/channels/musikmedalt>.

Grund, C.M and Westney, W. (2010d) *Music, Movement, Performance & Perception: Perspectives on Cross-Disciplinary Research and Teaching within NNIMIPA - Nordic Network for the Integration of Music Informatics, Performance and Aesthetics*. An essay in words and pictures recounting the NordPlus-sponsored Coordination Meeting for NNIMIPA held at the University of Oslo, February 18-19, 2010. Text: Cynthia M. Grund and William Westney. Photography: Cynthia M. Grund. Odense: The Institute of Philosophy, Education and the Study of Religions at the University of Southern Denmark and NNIMIPA: Nordic Network for the Integration of Music Informatics, Performance and Aesthetics, a network

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supported by NordPlus, 76 pages. ISBN 978-87-92646-11-8. Release date for print version: November 11, 2010. Online version at <http://www.nnimipa.org/CM.html>.

Grund, C.M. (2010c) "Filosofiske og æstetiske overvejelser over digitalisering af musik og lyd." Multimedia presentation and paper presented on April 24 at the 2010 Annual Meeting of the Danish Musicological Society/Dansk Selskab for Musikforskning *Musik, lyd og digitalisering*. For published abstract, see http://www.musikforskning.dk/downloads/2010_papers/program_abstract_2010.html. For online presentation which provided the case studies, see Jensenius et al. (2010). (Published abstract.)

Grund, C. M. (2010b) "An Examination of the Distinction between Popular and Art Music/En undersøgelse af skellen mellem populær- og kunstmusik." Paper presented on March 7 at the Annual Meeting of the Danish Philosophical Association/Dansk Filosofisk Selskabs Årsmøde 2010. *Erfaring og opmærksomhed/Experience and Attention*, Copenhagen, Danmark. http://www.dpu.dk/fileadmin/www.dpu.dk/arrangementer/Abstracts_DFS.pdf, p. 9. (Published abstract.)

Grund, C.M and William Westney (2010a). "Music and Meaning: Duets and Dialogues." TV broadcast (in English after a short voiceover in Danish). Aabenraa, ALT: Aabenraa Lokal TV. Produced by Daniel Tosovic. <http://vimeo.com/channels/musikmedalt> (Television documentary.)

Grund, Cynthia M. (2009b). "Pedagogy and Philosophy Viewed from the Piano Bench: IFPR's Cynthia M. Grund Interviews Incoming H.C. Andersen Guest Professor William Westney." *GymPæd 2.0*, (2), 9-10. http://www.sdu.dk/~media/Files/Om_SDU/Institutter/Ifpr/gp2/GymPaed2.a.shx

Grund, C.M & Westney, W. (2009a) "Playing the Ineffable: The Romance of Musical Pragmatism." Published abstract; Paper presented at *Meaning in the Arts: An Interdisciplinary Conversation*, September 11 -12, 2009, Texas Tech University, Lubbock, Texas, USA. (Published abstract.) Link http://www.depts.ttu.edu/pragmaticism/symposium/Meaning_in_the_Arts/Session_Descriptions/Entries/2009/8/14_Playing_the_Ineffable__the_Romance_of_Musical_Pragmatism.html.

Grund, Cynthia M. (2008) "Issues of Meaning and Interpretation Raised by Diagetic versus Non-diagetic Use of Music in Television and Film." Conference: *Sense Perception, Epistemology and Aesthetics/Sansning, Erkendelsesteori og Æstetik*. The Annual Meeting of the Danish Philosophical Association 2008/Dansk Filosofisk Selskabs Årsmøde 2008, Odense, Danmark, 7. marts 2008 - 8. marts 2008. Research: Published abstract pp. 28-29 <http://www1.sdu.dk/dfs/aarsmoede2008/Program%20-%20DFS%202008.pdf>

Grund, Cynthia M. (2007) "How Computer Music Modeling and Retrieval Interface with Music-And-Meaning Studies : Overview of Panelists' Suggestions for Discussion Topics." *Proceedings of the 2007 International Computer Music Conference, August 27-31, 2007. Copenhagen, Denmark*. San Francisco and Copenhagen: The International Computer Music Association and Re:New-Digital Arts Forum, pp. 133-136.

Grund, Cynthia M. (2006b) "Interdisciplinarity and Computer Music Modeling and Information Retrieval: When Will the Humanities Get into the Act." *Lecture Notes in Computer Science*; nr. 3902, Berlin & Heidelberg: Springer Verlag pp, 265-273.

Grund, Cynthia M. (2006a) "Mad, betydning ... og så opstår musikken ud af lyd." *Tankeføde - om mad, måltider og fødevarer i sammenhæng*. Eds. Steen Brock; Anders Moe Rasmussen; Brian Benjamin. Aarhus : Philosophia, 2006, pp. 191-200.

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Grund, Cynthia M. (2005b) "Music Information Retrieval, Memory and Culture: Some Philosophical Remarks." *Proceedings of the Sixth International Conference on Music Information Retrieval*. Joshua D. Reiss and Geraint A. Wiggins, eds. London: Queen Mary, University of London, pp. 8-12. (For ISMIR2005 online proceedings, please see <http://ismir2005.ismir.net/proceedings/index.html>).

Grund, Cynthia M. (2005a) "Double Jeopardy: The Interdisciplinary Study of Music and Meaning." *Danish Yearbook of Musicology*, Vol. 32, 2004, s. 9-14.

Grund, Cynthia M. (2001) "Music, Logic and Intentionality." *Proceedings of the Twelfth Meeting of the FWO Research Society on Foundations of Music Research: Music and Logic*, Chapter 2, University of Ghent.

Grund, Cynthia M. (1997). *Constitutive Counterfactuality: The Logic of Interpretation in Metaphor and Music*. København: Askeladden.

Hannula, Mika, Suoranta, Juha & Vadén, Tere (2005). *Artistic Research. Theories, Methods, Practices*. University of Gothenburg.

Heide, Morten (2012) "The Search for Musical Perfection when Preparing a Piece for Recording – Beyond the Musical Score" Paper presented at the NMIMIPA Network Meeting July 22, 2012, King's College London on the occasion of the second annual conference of the RMA-MPSG (Royal Musical Association Music and Philosophy Study Group) held at King's College London on July 20-21, 2012,

http://www.nnimipa.org/PROGRAM_LONDON_2012_A5.pdf p. 2. (Published abstract.)

Heide, Morten (2011) "A Program of Practice-based Research Designed to Examine Listener Reaction to Olivier Messiaen's *Vingt Regards sur l'Enfant-Jésus*" Paper presented at the NMIMIPA Network Meeting July 3, 2011, King's College London on the occasion of the Inaugural Conference of the RMA-MPSG (Royal Musical Association Music and Philosophy Study Group) held at King's College London on July 1-2, 2011,

http://www.nnimipa.org/PROGRAM_LONDON_2011_A5_online.pdf p. 4. (Published abstract.)

Kristoffer Jensen, Søren R. Frimodt-Møller and Cynthia M. Grund (Forthcoming) "Perspectives on Gesture from Music Informatics, Performance and Aesthetics" byin *ArtsIT2011*, a special issue of IJART (International Journal of Art & Technology), Inderscience. (16 pp. ms.)

Jensen, Kristoffer; Søren R. Frimodt-Møller; and Cynthia M Grund (2012). "From Network to Research - Ten Years of Music Informatics, Performance and Aesthetics" in *Arts and Technology Second International Conference, ArtsIT 2011*, Esbjerg, Denmark, December 10-11, 2011, Revised Selected Papers Series: *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering* <http://www.springer.com/series/8197> , Vol. 101. Brooks, Anthony L. (Ed.) 2012, XII, 177 p. 80 illus.

<http://www.springer.com/computer/information+systems+and+applications/book/978-3-642-33328-6?changeHeader>. pp. 71-79.

Jensen, Kristoffer (2011) "Auditory Memory Model for Feature Estimation" Paper presented at the NMIMIPA Network Meeting July 3, 2011, King's College London on the occasion of the Inaugural Conference of the RMA-MPSG (Royal Musical Association Music and Philosophy Study Group) held at King's College London on July 1-2, 2011, http://www.nnimipa.org/PROGRAM_LONDON_2011_A5_online.pdf p. 5. (Published abstract.)

Jensen, Kristoffer (2005b). "Multiple scale music segmentation using rhythm, timbre and harmony." *EURASIP Journal on Applied Signal Processing*, Special issue on Music Information Retrieval Based on Signal Processing.

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Jensen, Kristoffer (2005a). "Atomic Noise." *Organised Sound*, 10(1), pp. 75-81.

Jensen, Kristoffer (2004). "Irregularities, Noise and Random Fluctuations in Musical Sounds." *The Journal of Music and Meaning* 2, section 2.

Jensenius, Alexander Refsum; Kristian Nymoën; Cynthia M. Grund; William Westney; Ståle A. Skogstad (2010). "Video Suite - in Three Movements: Jensenius-Westney-Grund on Motion-capture, Music and Meaning." Multimodal webpage presentation of original motion-capture video with accompanying audio as well as original documentary- and interview-video and audio of the motion-capture labwork. Webpage: <http://www.nnimipa.org/JWG.html> on the website for NNIMIPA: Nordic Network for the Integration of Music Informatics, Performance and Aesthetics, a network funded under The Nordic Council of Ministers' NordPlus Program. NNIMIPA Webmaster and Network Coordinator: C.M. Grund.

Petersson, E. & Brooks, A. (2006). "Non-formal Therapy and Learning Potentials through Human Gesture Synchronized to Robotic Gesture [HRI] within a Virtual Environment [VE]." In: *3rd Cambridge Workshop on Universal Access and Assistive Technology (CWUAAT)*, Cambridge, UK.

Sauerberg, Lars Ole (2001). *Intercultural Voices in Contemporary British Literature: The Implosion of Empire*. London and New York: Palgrave.

Sauerberg, Lars Ole (1992). *Fact into Fiction: Documentary Realism in the Contemporary Novel*. London: Macmillan; New York: St. Martin's Press.

Skovenborg, E. and Arnspang, J. (2003). "Extraction of Structural Patterns in Popular Melodies." In: *Proceedings of the Computer Music Modeling and Retrieval Conference* Montpellier, France, May 26-27, 2003. Berlin: Springer-Verlag.

Søegaard, Fredrik & Claus Gahrn (2010), "Soundmapping the Genes", *JMM: The Journal of Music and Meaning* 8, Winter 2009

<http://www.musicandmeaning.net/issues/showArticle.php?artID=8.5>

Søegaard, Fredrik (2010). *Soundmapping the Genes (SMTG)*, Søegaard Ensemble. CD release, February 2010. Leo Records, CD LR 560.

Vadén, Tere. (2011) "'Music as symbols: how corrupted is it? Paper presented at the Inaugural Conference of the Music and Philosophy Study Group (Royal Musical Association) in London, England Department of Music, King's College London, 1--2 July 2011,

<http://www.musicandphilosophy.ac.uk/wp-content/uploads/2011/07/RMA-MPSG-Conference-2011-Programme.pdf>, p. 22. (Published abstract.)

Vadén, Tere & Hannula, Mika (2003). *Rock the Boat. Localised Ethics, the Situated Self and Particularism in Contemporary Art*. Köln: Salon Verlag.

Vadén, Tere (2002). "Openness, Criticality and Language. Observations on the methodology of practice-based experimental research." In: Kiljunen, S. & Hannula, M., eds. *Artistic research*. Helsinki: Academy of Fine Arts.

William Westney, Michael O'Boyle, Jinzhou (James) Yang , Cynthia M. Grund (2012). "Musical Movements and Meanings" Video and explanatory text published on YouTube on 31/07/2012 by TTUAcademicsResearch to document the beginning of the research project Technological and Aesthetic Investigations of the Physical Movements of Pianists <http://www.youtube.com/watch?v=dmq6cW4cLk>

Westney, William (2003 hardcover/2006 paperback). *The Perfect Wrong Note*. Pompton Plains, New Jersey: Amadeus Press.

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Research Networks

This list of international research networks with which members of the *The Aesthetics of Music and Sound* research group are actively cooperating is continually updated as it grows. Members of AMS are current or recent members of the networks listed, on organizing committees for the listed societies and their affiliated conferences, contributors and editors on various levels for the publications listed, or peer reviewers for the various conferences and publications. The logos are hyperlinks.



ArtsIT-Arts and Technology
<http://artsit.org/show/home>



Computer Music and Music Retrieval
(For additional background, please see
<http://www.musicandmeaning.net/issues/CFP.php?artID=5.2>)



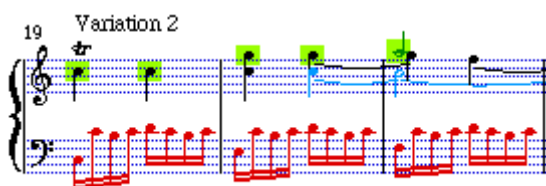
fourMs: Music, Mind, Motion, Machines is an interdisciplinary research group at the University of Oslo comprising researchers from the departments of informatics and musicology



International Community for Auditory Display



International Computer Music Association



**ISMIR - The International Society for Music
Information Retrieval**

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JMM: The Journal of Music and Meaning
(Funded by the Danish Research Council for the Humanities.)



Nordic Network for the Integration of Music Informatics, Performance and Aesthetics
(Supported by **NORDPLUS** 2007-2010; a research network under **NordForsk** September 1, 2010-August 1, 2013.)

Current Partners within NNIMIPA:
The University of Southern Denmark (SDU)
Academy of Music and Dramatic Arts/Syddansk Musikkonservatorium & Skuespillerskole-SMKS, Odense and Esbjerg, Denmark
Aalborg University Esbjerg, Denmark (AAUE)
The Royal Institute of Technology, Stockholm, Sweden (KTH)
Malmö Academy of Music, Lund University, Sweden (MHM-LU)
University of Oslo, Norway (UIO)
Grieg Academy, Bergen University College, Norway (GA-BUC)
Aalto University, Helsinki, Finland (AaU)
University of Tampere, Finland (UTA)
Sibelius Academy, Helsinki, Finland (SIBA)
Bifröst University, Iceland (BU)
University of Iceland, Iceland (UI).



netværk for tværvideenskabelige studier af musik og betydning/
network for cross-disciplinary studies of music and meaning

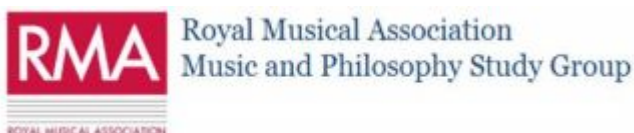
(Note on September 21, 2012: This is largely an archival site, where the rich variety of programs sponsored by **NTSMB** from 2001-2010 may be viewed. **NTSMB** was the exploratory network founded in 2001 with two years' worth start-up funding from the Danish Council for Research in the Humanities and in which JMM, NNIMIPA and the present program/site, *The Aesthetics of Music and Sound*, all have their origins.)



PHILOSOPHY meets POPULAR CULTURE
initiative



re-new - digital arts forum



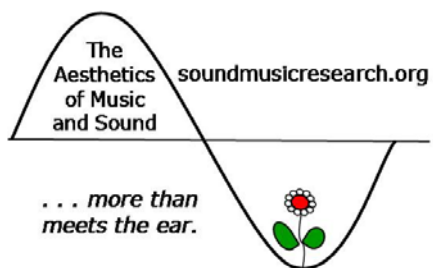
Royal Music Association
Music and Philosophy Study Group

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SUM

Systematic Understanding of Music (Funded by **Nordic Culture Point**)

In addition, cooperation has been established with *Frontiers of Research in Sound and Music*, a research network currently under development which recently held a conference in India, where AMS was represented.



The Aesthetics of Music and Sound -
www.soundmusicresearch.org - Cross-Disciplinary Interplay
between the Humanities, Technology and Musical Practice

