

PerMagnus Lindborg, PhD

Summary

I am a composer and researcher, specialising in sound and music computing, music cognition, and cross-modal perception. My music compositions and sonic artwork have garnered prizes at FORUM (Montreal 1996) and SSO Nordic Composer Orchestra Competition (Stavanger 2002), and commissioned showcases at prestigious venues, notably *IRCAM* (1999), *Centre Pompidou* (2003), *Ultima Festival* (Oslo 2000, 2006), *Onassis Centre* (Athens 2014), and *National Gallery* (Singapore 2015). I was keynote speaker at *Volume 2 Symposium* (Aalto University 2016), and my empirical research is published in high impact journals, notably *PLoS One* (2015), *Leonardo* (2016), *Applied Acoustics* (2015, 2016), and *Applied Sciences* (2016). With twelve years of experience in higher education internationally, my teaching in sound art, soundscape design, and research methodology receives favourable feedback scores, and my individually supervised students publish internationally. I founded the biannual *Soundislands Festival* in Singapore (2013, 2015, 2017), and serve as Music Coordinator on the Board of the *International Computer Music Association*.

Qualifications

- 2016, May. **Doctor of Philosophy, in the subject area of Speech and Music Communication specialised in Sound and Music Computing.** *KTH Royal Institute of Technology, CSC/TMH*, Sweden, <http://www.kth.se>. Original title: **Teknologie doktorsexamen inom ämnet tal- och musikkommunikation med inriktning mot ljud och musik**. Dissertation defended 11 Dec. 2015: "*Sound perception and design in multimodal environments*", <http://urn.kb.se/resolve?urn=urn:nbn:se:kth:diva-177271>. Faculty examiner: Daniel Västfjäll. Supervisor: Anders Friberg.
- 2003, Oct. **Master of Advanced Studies in Music and Musicology of the 20th Century (Cum Laude).** *Université de Paris Sorbonne, IReMus*, France, <http://collegium.musicae.sorbonne-universites.fr/>. Original title: **DEA en musique et musicologie du XXe siècle, mention Très Bien**. Accorded after 1st year of doctorate, thesis defended 22 Oct. 2003. Supervisor: Marc Battier. (alt. degree equiv.: MPhil; cf. https://en.wikipedia.org/wiki/Master_of_Advanced_Studies).
- 1999, July **Cursus in Composition and Music Computing.** *IRCAM*, France, <http://www.ircam.fr>. Original title: **Cursus de composition et d'informatique musicale**. 1-year competitive entry postgraduate course (~390 applications, 10 accepted). Project supervisor: Mikhail Malt. (degree equiv.: MSc or PgDip).
- 1995, Dec. **Bachelor of Music in Composition.** *Norwegian Academy of Music*, Norway, <http://nmh.no>. Original title: **Kandidateksamen i komposisjon**. 4-year competitive entry undergraduate course (~40 applications, 2 accepted). Main supervisor: Olav Anton Thommessen.

Employment history

- 2007 - Assistant Professor, *School of Art, Design, and Media, Nanyang Technological University*, Singapore, <http://www.adm.ntu.edu.sg>. (23 Nov. 2007 -)
- 2012 - 14 Non-Executive Director, *aPopi Pte. Ltd*, Singapore, <http://bit.ly/1U5INjd>.
- 2007 Lecturer in Music Technology, *LaSalle College of the Arts*, Singapore, <http://www.lasalle.edu.sg> (Mar. - Nov. 2007)
- 2005 - 06 Lecturer in Electroacoustic Composition, *Conservatoire de Musique, de Danse et d'Art Dramatique du Pays de Montbéliard*, France, <http://bit.ly/1Q8jWtY>, (1 Jan. 2005 - 31 Dec. 2006)
- 1994 - Private company in sole proprietorship, providing services in music composition & consultancy. *Brønnøysundsregistrene*, Norway, <http://bit.ly/1W1CBVG>. Main source of revenue 1994-2005.

Board service and professional memberships

- 2014 Jan. - Board member (Music Coordinator) of the International Computer Music Association, www.computermusic.org/ (by board vote)
- 2015 - Audio Engineering Society, <http://www.aes.org/> (by peer evaluation)
- 2013 - Composer Society of Singapore, <https://www.facebook.com/sgcomposers> (by invitation)
- 2009 - International Computer Music Association, www.computermusic.org/ (by application)
- 1996 - Norwegian Society of Composers, <http://www.komponist.no> (by committee evaluation of composition portfolio)
- 1994 - Norwegian Performing Rights Association, <http://www.tono.no/english/> (by application)
- 1994 - Music Norway [publisher], <http://www.listento.no/> (by evaluation of portfolio)

Selected work

- 2017 Mar-Apr. “AXIS – Anatomy of Space”, dome projected film by Daniel Belton and Good Company Arts, for *Otago Museum Planetarium*, New Zealand, and *ArtsHouse*, Singapore. I co-composed the electroacoustic music and designed the 5.1 surround sound. <http://www.goodcompanyarts.com/>
- 2016 Dec. Journal article in *Applied Sciences*, <http://www.mdpi.com/2076-3417/6/12/405/>, entitled “Personality traits bias the perceived quality of sonic environments”.
- 2016 Nov. Keynote on spatial sonification and graduate workshop at *Volume 2 Symposium*, School of Arts, Design and Architecture, Aalto University, Finland. <https://volumesymposium.wordpress.com/>
- 2016 July Fellowship with *TBA21 Triennium (The Current)*, invited by curator Ute Meta Bauer, to do field audio recordings on land and under water in French Polynesia, <https://www.tba21.org>.
- 2016 Sep. Journal article in *Applied Acoustics*, <http://www.sciencedirect.com/science/article/pii/S0003682X16300652>, entitled “A taxonomy of sound sources in restaurants”.
- 2016 Aug. Journal article in *Leonardo*, MIT Press, entitled “Interactive Sonification of Weather Data for The Locust Wrath, a Multimedia Dance Performance”.
- 2015 Dec. Journal article in *PLoS ONE*, <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0144013>, entitled "Colour Association with Music Is Mediated by Emotion...". More than 800 document views in less than 2 months (Publisher + ResearchGate + Academia).
- 2015 Dec. Invited exhibition at *National Gallery Singapore*, <https://www.nationalgallery.sg>, in collaboration with ArtsFission dance company, <http://bit.ly/1ZFFMgr>, presenting sculptural sound installation "LW24", a large yet transportable auditory display for multichannel sonification, <http://permagnus.org/pm/artwork/sonifications/LocustWrath/index.html>. As part of a series of dance performances, it attracted more than 500 visitors.
- 2015 Aug. Created and chaired *Si15 Soundislands Festival*, <http://www.soundislands.com/si15/>. International 6-day event in partnership with ArtScience Museum and with support from eight other organisations, including NTU and ICMA. Presented 60+ artworks and papers at concerts, symposium, exhibitions, and workshops. Record visitor counts, both for CLASS-funded event (1255 pax) and for the series of ASM Sunday Showcases (515 pax). Featured scientists, artists, students, and poster names such as Ryoji Ikeda.
- 2014 Aug. Guest editor, special issue of *eContact!*, http://cec.sonus.ca/econtact/16_2/editorial.html. Since 1998, this is the journal of the Canadian Electroacoustic Community. It is international in outlook and published four times a year. <http://cec.sonus.ca/about.html>.

- 2014 Sep. Jury selection of artwork, *International Computer Music Conference joint with Sound and Music Computing Conference (ICMC-SMC)*, Greece, <http://www.icmc14-smc14.net>, presenting sonification installation "Locust Wrath", <http://permagnus.org/pm/artwork/sonifications/LocustWrath/index.html>. Five days exhibit at the *Onassis Cultural Centre Athens*, <http://www.onassis.org/en>, reaching 500 conference participants and other visitors.
- 2013 Nov. Chair of *Si13 Symposium on Sound & Interactivity*, <http://www.soundislands.com/si13/>. Organised regional 3-day event with 15 artworks at concert and exhibition and 14 papers at symposium. International symposium with 29 active participants.
- 2013 Oct. Jury selection of two compositions at *Nordic Music Days Festival*. "Man bör kalla" played by Lapland Chamber Orchestra conducted by John Storgårds in TempPELLIAUKIO Church, Helsinki.
- 2013 Sep. Jury selection of artwork, *World Stage Design Festival*, UK, <http://www.wsd2013.com>, presenting the interactive installation "The Canopy" (revised version) and performances, <http://bit.ly/1nBX3Gf>.
- 2012 Awarded *MOE ARF Tier 1* grant. Outputs include the sonification sculpture *LW24*, the immersive piece *LWiOS*, and a paper in *Proceedings of ICAD 2015*.
- 2012 Invited sound installation at *Moderna Museet Stockholm*, as part of "Freq-Out 8" commissioned by director Daniel Birnbaum and curated by CM von Hauswolff, http://www.modernamuseet.se/stockholm/en/exhibitions/freq_out8/. Described as "the biggest composite piece of sound art ever exhibited in an art museum". Open as a 48-hour event, the installation was visited by thousands of people.
- 2012 Featured composer at *WOCMAT*, Taiwan, <http://web.it.nctu.edu.tw/~eamusic/wocmat2012/>. Presented "TimeTravel Tune Installation" and "Graviton Dance".
- 2011 Jury selection of artwork + article, *ICMC*, UK, <http://www.icmc2011.org.uk/>, <http://hdl.handle.net/2027/spo.bbp2372.2011.014>, presenting interactive installation "The Canopy", <http://bit.ly/1nBX3Gf> at University of Huddersfield Studio One, <http://bit.ly/1nSoPyd>.
- 2010 Commission of artwork, *Singapore Arts Festival*, <https://sifa.sg/>. Co-conceived and collaborated on multimedia performance *On the String, Theatre of Music*, in particular the large interactive 3D audio diffusion design, <http://bit.ly/1RN77Zf>.
- 2009 Awarded *MOE ARF Tier 1* grant. Outputs include *On the String* and paper in *Proceedings of ICMC 2011*.
- 2008 Book chapter, *OpenMusic Composer's Book #2*, IRCAM-Delatour, <http://recherche.ircam.fr/equipes/repmus/OMBook/index.html>. Available at <http://bit.ly/1RlYDZ>. On invitation from editor Jean Bresson.
- 2007 Jury selection, *Bourges Festival of Electroacoustic Music (EMEB)*, France, <http://www.permagnus.org/pm/artwork/acousticorchestra/maoratorika/index.html>
- 2006 Commission of artwork, *Ultima Contemporary Music Festival*, Norway, <http://ultima.no/>. Ensemble Ernst with Lars Lien as soloist and Thomas Rimul as conductor performed "TreeTorika" for chamber orchestra, <http://bit.ly/1OTtDvS>.
- 2005 Commission and print publication of artwork, *Associated Board Royal Schools of Music*, UK - <http://sg.abrsm.org/en/home>, piece for piano and CD (electroacoustic music), <http://bit.ly/1PE4BhA>.
- 2004 Book chapter in *Lecture Notes on Computer Science*, Springer Verlag, on interactive music composition.
- 2004 Composer residency at Herrenhaus Edenkoben, Germany, shared with Joyce Beetuan Koh.

- 2003 Artistic Director for festival *in.Fini.04* at Institut Finlandais, Paris. I coordinated a series of -4 concerts and seminars by musicians and composers.
- 2003 Commission of sound installation for the "D!sturbances" exhibition in Copenhagen; the first in a series of works by Freq-Out collective, curated by CM von Hauswolff, <http://freq-out.org/>
- 2002 Commission of artwork, *Centre George Pompidou* for *Festival Agora IRCAM*, France, <http://www.ircam.fr>, leading to collaborations with choreographer Mié Coquempot and K.622 for the multimedia dance performances "Extra Quality" and "Extra Quality #2", <http://bit.ly/1TqGuZV> and <http://bit.ly/1ZtiWmz>.
- 2002 *First Prize, Nordic Composers Competition, Stavanger Symphony Orchestra*, Norway, <http://www.ballade.no/sak/nordisk-komponistverksted/> and <http://www.sso.no>. Competitive award to three-stage composition workshop over 6 months with the orchestra and conductor Zsolt Nagy, leading to first prize for the full orchestra piece "Khreia", <http://bit.ly/1VuAVIi>.
- 2002 CD release on *ECM Records*, with Frode Haltli's performance of "Bombastic Sonosofisms".
- 1999 *Young Artist Award*, Ministry of Cultural Affairs, Norway - <http://www.kulturradet.no>. Competitive award by committee evaluation of composition portfolio and research plans.
- 1999 *Young Artist Award*, Ministry of Cultural Affairs, Norway - <http://www.kulturradet.no>. Competitive award by committee evaluation of composition portfolio and research plans.
- 1998-99 Competitive award for *IRCAM Cursus in Music Computing*. One-year study leading to interactive (sax & computer) composition "Leçons pour un apprenti sourd-muet".
- 1997 Residency award, *Franco Donatoni Workshop*, Mexico City, leading to ensemble composition "iOralei!".
- 1997 Residency award, *Royaumont Fondation*, France - <https://www.royaumont.com/>. Competitive award to one-month workshop with soloists of Ensemble Recherche and Brian Ferneyhough, leading to composition "sr".
- 1996 Audience Prize, *Forum international des jeunes compositeurs*, Canada. <http://lenem.ca/>. Competitive award to one-month workshop with Nouvel Ensemble Moderne and Lorraine Vaillancourt, leading to public concert where my composition "Nermal Sonosofisms" won the audience prize.
- 1994 Residency award, *Sir Peter Maxwell Davies Composition Course*, Hoy, Orkneys, Scotland, UK, leading to my composition "Dwarfie Stane Chorale".
- 1994 Chamber opera (6 soloists, choir, 18 musicians) on own libretto based on "Glädjens jävla plikt" by Bodil Malmsten. Student musicians at Ingesund's Folkögskola, Sweden, conducted by Thomas Rimul.

Personal particulars

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Civil status: Swedish citizen, born 1968, married 2000, daughter born 2003.

Web pages

- Web pages: <http://www.permagnus.org>
- CV, publications, links to ResearchGate etc.: <http://www.permagnus.org/pm/cv/>
- Soundislands Festival: <http://soundislands.com/>