

2018 in Numbers

Find more details at our [Publications page](#).

24 papers published in peer reviewed journals

7 papers published in conference proceedings

1 book chapter published

14 conference posters

21 conference presentations

Participation in 41 conferences

33 manuscripts reviewed for peer reviewed journals

Supervision of 9 students at Eriksholm Research Centre

Supervision of 26 students external to Eriksholm Research Centre

7 external examinations

According to [Google Scholar](#), researchers working at Eriksholm Research Centre in 2018 were cited 1,462 times throughout 2018. According to [Elsevier Scopus®](#), researchers working at Eriksholm Research Centre in 2018 were cited 966 times including citations from authors and 766 times excluding citations from authors throughout 2018. All Eriksholm Research Centre publications in the [Elsevier Scopus®](#) database was cited 707 times in 2018.

Academic Relations 2018

Peer-reviews

Lars Bramsløw reviewed two manuscripts for '*The Journal of the Acoustical Society of America*' and one manuscript for '*Trends in Hearing*' in 2018.

Ariane Laplante-Lévesque reviewed one manuscript for '*Trends in Hearing*' in 2018.

Thomas Lunner reviewed one manuscript for '*Ear and Hearing*', one manuscript for '*International Journal of Audiology*', one manuscript for '*Trends in Hearing*', three manuscripts for '*Journal of Neural Engineering*', one manuscript for '*Sensors*', and one manuscript for '*Mitacs*' in 2018.

Niels Henrik Pontoppidan reviewed three manuscripts for '*the International Conference on Acoustics, Speech, and Signal Processing*' in 2018.

Gabrielle Saunders reviewed two manuscripts for '*Ear and Hearing*' and two manuscripts for '*International Journal of Audiology*' in 2018.

Martin Skoglund reviewed seven manuscripts for '*the FUSION conference*', one manuscript for '*Automatica*', and one manuscript for '*the Conference on Control Technology and Applications*' in 2018.

Alejandro Lopez Valdes reviewed two manuscripts for '*Hearing Research*' and one for '*the International Journal of Audiology*' in 2018.

Dorothea Wendt reviewed one manuscript for '*Trends in Hearing*' and one manuscript for '*Ear and Hearing*' in 2018.

Supervision of students at Eriksholm Research Centre

Thomas Lunner is supervising PhD student Sergio Aguirre, University of Nottingham. Other supervisor: Bill Whitmer, Nottingham University. Project supported by EU as part of the HEAR-ECO project. Work continues in 2019.

Thomas Lunner and Carina Graversen are supervising PhD student Antoine Favre-Félix, Technical University of Denmark: "Controlling a hearing aid by electrically-assessed eye-gaze". Technical University of Denmark supervisor: Torsten Dau. The project is supported by EU as part of the COCOHA project. Work will be completed in 2019.

Thomas Lunner and Carina Graversen are supervising PhD student Tirdad Seifi Ala, University of Nottingham. Other supervisor: Bill Whitmer, Nottingham University. Project supported by EU as part of the HEAR-ECO project. Work continues in 2019.

Michael Kai Petersen is supervising PhD student Maciej Korzepa, Technical University of Denmark: "Data driven UX engineering of cognitive interfaces for augmented hearing". Technical University of Denmark supervisors: Morten Mørup and Jakob Eg Larsen. The project is supported by the Oticon Foundation. The work continues in 2019.

Michael Kai Petersen and Niels Henrik Pontoppidan are supervising PhD student Benjamin Johansen, Technical University of Denmark: "Personalizing Hearing Care and Enhancing User Experience by Adapting Devices to the Changing Mobile Context". Technical University of Denmark supervisor: Jakob Eg Larsen, Oticon supervisor: Per Sandholm. The project is supported by the Oticon Foundation. The work continues in 2019.

Dorothea Wendt, Renskje Hietkamp, and Thomas Lunner supervised master's student Sanne Mehrfeld Møller, University of Southern Denmark. "The impact of noise reduction on listening effort and memory processing". Supervisor from DELTA a part of FORCE Technology: Carsten Daugaard.

Alejandro Lopez Valdes and Renskje Hietkamp supervised bachelor student Lotte Simone Emilie Petersen, University of Southern Denmark: "Cleaned vs. uncleaned ears: A comparative in-ear dry-electrodes performance study". University of Southern Denmark supervisor: Tobias Neher.

Dorothea Wendt, Thomas Lunner, and Renskje Hietkamp supervised bachelor students Elias Nyhlen and Johan Nyberg, University of Gothenburg: "A pupillometry study on hearing impaired subjects".

Supervision of students external to Eriksholm Research Centre

Tanveer Bhuiyan and Thomas Lunner supervised PhD student Bethany Plain, VU Medical Centre. Other supervisors: Michael Richter, Liverpool University, and Sophia Kramer, VU Medical Centre. Project supported by EU as part of the HEAR-ECO project. Work continues in 2019.

Lars Bramsløw is supervising PhD student Niclas Janssen, Technical University of Denmark: "Bimodal Fusion in Cochlear Implant Users". Technical University of Denmark supervisors: Jeremy Marozeau and Søren Riis. Project supported by the Oticon Foundation. Work continues in 2019.

Lars Bramsløw supervised PhD student Micha Lundbeck, University of Oldenburg: "Effects of advanced hearing aid signal processing on spatial awareness perception". Other supervisors: Volker Hohmann, University of Oldenburg and Tobias Neher, University of Southern Denmark. Project supported by the Oticon Foundation.

Thomas Lunner supervised PhD student Alicia Carabali, Bionics Institute, Melbourne. Bionics Institute supervisors: Colette McKay and Hamish Innes-Brown, and Oticon medical supervisor: Søren Riis. Project supported by the Oticon Foundation. Work continues in 2019.

Thomas Lunner supervised PhD student Poul Houang, Linköping University. Aalborg University supervisors: Jesper Jensen, Jan Mar de Hann, and Zeng-Hua Tan. Project supported by the Innovation Foundation. Work continues in 2019.

Thomas Lunner supervised PhD student Elisabeth Ingo, Linköping University. Other supervisors: Ariane Laplante Levesque, Oticon Medical and Gerhard Andersson, Linköping University. Project supported by the Oticon Foundation. Work continues in 2019.

Thomas Lunner supervised PhD student Peter Molander, Aalborg University: "From detection to intervention: psychological aspects of audiological rehabilitation". Linköping University supervisor: Gerhard Andersson. Project supported by the Swedish Research Council and the Oticon Foundation.

Thomas Lunner supervised PhD student Barbara Ohlenforst, VU University Medical Center and EMGO Institute for Health Care Research, Amsterdam: "Pupillometry as a window to listening effort: interactions between hearing status, hearing aid technologies and task difficulty during speech recognition." VU Amsterdam supervisors: Sophia Kramer and Adriana Zekveld. The University of Nottingham supervisor: Graham Naylor. Project supported by EU as part of the LISTEN project.

Thomas Lunner supervised PhD student Josefine Sørensen, Technical University of Denmark: "Conversational dynamics between normal-hearing and hearing-impaired interlocutors". Technical University of Denmark supervisor: Ewen McDonald. Project supported by the Oticon Foundation. Work continues in 2019.

Thomas Lunner supervised PhD student Yang Wang, VU University Medical Center and EMGO Institute for Health Care Research, Amsterdam: "Pupil dynamics in response to light and effortful listening: unravelling the role of the parasympathetic system". VU Amsterdam supervisors: Sophia Kramer and Adriana Zekveld. The University of Nottingham supervisor: Graham Naylor. Project supported by EU as part of the LISTEN project.

Niels Henrik Pontoppidan and Lars Bramsløw supervised PhD student Paolo Attilio Mesiano, Technical University of Denmark: "Characterizing consequences of hearing impairment and hearing-aid on speech perception in competing-talker scenarios". Technical University of Denmark supervisors: Torsten Dau and Tobias May.

Gabrielle Saunders and Thomas Lunner supervised PhD student Hidde Pielage, VU Medical Centre. VU Medical Centre supervisors: Sophia Kramer and Adriana Zekveld. Project supported by EU as part of the HEAR-ECO project. Work continues in 2019.

Dorothea Wendt supervised PhD student Defne Alfandari, University of Nottingham. Other supervisors: Graham Naylor, Nottingham University, and Adriana Zekveld, VU Medical Centre. Project supported by EU as part of the HEAR-ECO project. Work continues in 2019.

Dorothea Wendt and Thomas Lunner is supervising PhD student Hanna Bönitz, Hannover Medical School. Other supervisors: Andreas Büchner, Hannover Medical School, Søren Riis, Oticon Medical, and Björn Lyxell, Linköping University. Project supported by the Oticon Foundation. Work continues in 2019.

Dorothea Wendt and Thomas Lunner supervised PhD student Patrycja Ksiasek, VU Medical Centre. VU Medical Centre supervisors: Sophia Kramer and Adriana Zekveld, . Project supported by EU as part of the HEAR-ECO project. Work continues in 2019.

Thomas Lunner, Emina Alickovic, and Carina Graversen supervised master's students Carlos Francesco Mendoza and Andrew Segar, Lund University: "Decoding Auditory attention from multivariate neural data using cepstral analysis". Lund University supervisor: Maria Sandström.

Thomas Lunner, Antoine Favre-Felix, and Tanveer Bhuiyan supervised master's student Murrin Harrison, University of Glasgow: "Body signals". University of Glasgow supervisor: Bernd Porr.

Thomas Lunner, Alejandro Lopez Valdes, and Martin Skoglund supervised master's students Martin Sollenberg and Johan Lindqvist, Lund University: "Real-time multiple audio beamforming system". Lund University supervisor: Bo Berhardsson.

Michael Kai Petersen supervised master's student Tilemachos-Dimitrios Pantazis, Technical University of Denmark: "Deep learning of user intents inferred from internet of things generated data".

Sergi Rotger Griful supervised master's student Helene Baadsgaard, Aalborg University: "Helbredssensorer i høreapparater – et kvalitativt studie." Other supervisors: Troels Holm Pedersen, Oticon A/S and Pizarro Ordoñez, Aalborg University.

Sergi Rotger Griful supervised master's student Michal Kapiczynski, Aarhus University: "Home Hearing Assistive Technology (Home-HAT): Support for BLE Hearing Aid Devices." Aarhus University supervisor: Stefan Rahr Wagner.

Sergi Rotger Griful supervised master's students Nikolaj Krabbe Skousen and Jeppe Gravgaard, Aarhus University: "Classification of User Context: A Context Aware Hearing Aid Solution." Aarhus University supervisor: Stefan Rahr Wagner.

Martin Skoglund supervised master's student Torkil Petersen, Technical University of Denmark: "Restaurant problem solver: Estimation of listener's gaze and talker's position". Technical University of Denmark supervisor: Hans Henrik Niemann, and Widex supervisors: Mike Lind Rank, Alvaro Cabrera, Martin Anderssen.

External examinations

Gabrielle Saunders was external examiner for the PhD thesis of Feike de Graaff, Vrije Universiteit Amsterdam: "Improving cochlear implant rehabilitation". Supervisors: C.R. Leemans, S.E. Kramer, J.C.M. Smits, and P. Merkus.

Lars Bramsløw was external examiner for the master's thesis of Søren Vørnle Nielsen, Technical University of Denmark: "Real-time BCI control using auditory spatial attention". Supervisor: Jens Hjørtkær (Technical University of Denmark).

Niels Henrik Pontoppidan was external examiner for the master's thesis of Andreas Eckey, Technical University of Denmark: "Conversational Dynamics: Manipulation of acoustic cues and the effect on turn-end prediction performance". Supervisor: Ewen MacDonald (Technical University of Denmark).

Niels Henrik Pontoppidan was external examiner for the master's thesis of Mikkel HeberHahn Petersen and Tobias Toft Christensen, Technical University of Denmark: "Artificial Bandwidth Extension of Bone Conducted Speech using Deep Neural Networks". Supervisor: Tobias May (Technical University of Denmark).

Lars Bramsløw was external examiner for the master's thesis of Valentina Campagnaro, Technical University of Denmark: "Assessing noise reduction in hearing aids: signal-to-noise ratio improvement vs. perceptual benefits and side-effects". Supervisor: Johannes Zaar (Technical University of Denmark), Torsten Dau (Technical University of Denmark), and Søren Laugesen (Interacoustics Research Unit).

Lars Bramsløw was external examiner for Course 31210 Acoustic Signal Processing at Technical University of Denmark. Teacher: Tobias May and Jonas Brunskog (Technical University of Denmark).

Lars Bramsløw was external examiner for the Course 31230 Acoustic Communication at Technical University of Denmark. Teacher: Ewen MacDonald (Technical University of Denmark).

Other activities

Niels Henrik Pontoppidan participated in a panel discussion 'Fra STEM til STEAM – Teknisk videnskab og humaniora' at The People's Meeting on Bornholm, Denmark.

Johanna Gutenberg participated in 'Stakeholders Meeting on Prevention of Deafness and Hearing Loss' at the WHO headquarters in Geneva.

Lars Bramsløw participated in the annual assembly of the Danish Acoustical Society and was appointed as board member of the society.

Gabrielle Saunders was Associate Editor for 'Assistive Technology journal'.

Gabrielle Saunders was Associate Editor for 'International Journal of Audiology'.

Gabrielle Saunders participated in the workshop 'Hearing Health Psychology of hearing health workshop: Prevention and treatment'.

Gabrielle Saunders acts as consultant to Nicole Marrone and David Lee as they prepare a proposal entitled, Hearing Intervention Ancillary Study to the Hispanic Community Health Study/Study of Latinos.