

## 2020 in Numbers

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

**17 papers published in peer reviewed journals**

**7 papers published in conference proceedings**

**6 conference posters**

**8 conference presentations**

**Participation in 11 conferences**

**33 manuscripts reviewed for peer reviewed journals**

**Supervision of 3 student at Eriksholm Research Centre**

**Supervision of 17 students external to Eriksholm Research Centre**

**7 external examinations**

According to [Google Scholar](#), researchers working at Eriksholm Research Centre in 2020 were cited 2,621 times throughout 2020. According to [Elsevier Scopus®](#), researchers working at Eriksholm Research Centre in 2020 were cited 1,244 times including citations from authors and 1,045 times excluding citations from authors throughout 2020. All Eriksholm Research Centre publications in the [Elsevier Scopus®](#) database was cited 617 times in 2020.

# Academic Relations 2020

## Peer-reviews

Emina Alickovic reviewed one manuscript for 'IEEE Journal of Biomedical and Health Informatics', one manuscript for 'IEEE Transactions on Cognitive and Developmental Systems' and one manuscript for 'IEEE Access' in 2020.

Jeppe Høy Christensen reviewed two manuscripts for 'Trends in Hearing' and one manuscript for 'PLOS ONE' in 2020.

Martin Skoglund reviewed three manuscripts for 'Fusion Conference', and one manuscript for 'Transactions On Aerospace and Electronic Systems (TAES)' in 2020.

Niels Henrik Pontoppidan reviewed one manuscript for 'Frontiers in Public Health', one manuscript for 'Ear and Hearing', and one manuscript for 'International Journal of Medical Informatics' in 2020.

Lars Bramsløw reviewed one manuscript for 'Journal of the Acoustical Society of America', and one manuscript for 'International Journal of Audiology' in 2020.

Hamish Innes-Brown reviewed one manuscript for 'Ear and Hearing', two manuscripts for 'Frontiers in Neuroscience, Auditory Cognitive Neuroscience', one manuscript for 'Journal of the Association for Research in Otolaryngology', and one manuscript for 'NeuroImage' in 2020.

Gitte Keidser reviewed one manuscript for 'Ear and Hearing', one manuscript for 'Trends in Hearing', and two manuscripts for 'International Journal of Audiology' in 2020.

Johannes Zaar reviewed two manuscripts for 'Journal of the Acoustical Society of America', four manuscripts for 'International Journal of Audiology', two manuscripts for 'Trends in Hearing', and one manuscript for 'Acta Acustica' in 2020.

## Supervision of students at Eriksholm Research Centre

Jeppe Høy Christensen, Kang Sun and Niels Henrik Pontoppidan is supervising PhD student Ioan Szatmari, Technical University of Denmark. "Contextual user personalization of HIs using private machine learning and recommender systems". Supervisor: Jakob Eg Larsen, Technical University of Denmark. Project supported by Innovation Foundation DK. Work continues in 2021.

Lars Bramsløw is supervising PhD student Sergio Aguirre, University of Nottingham. "A hybrid loudspeaker-based room auralization system for auditory research" supervisor: William Whitmer, University of Nottingham. Project supported by EU grant HEARECO765329. Work continues in 2021.

Hamish Innes-Brown is supervising PhD student Alina Schulte, Technical University of Denmark. "How is the speed and amount of auditory-somatosensory cross-modal plasticity during a tactile stimulation intervention linked to music appreciation and speech understanding outcomes" Supervisors: Jeremy Marozeau Technical University of Denmark, Søren Riis Oticon Medical and Andrej Kral Hannover Medical Hospital. Project supported by EU grant COMM4CHILD. Work continues in 2021.

# Supervision of students external to Eriksholm Research Centre

Jeppe Høy Christensen supervised Master student Ilaria Leoni, Technical University of Denmark: “Learning the association between heart rate and everyday sounds from real-world data”. Technical University of Denmark supervisor: Mikkel Nørgaard Schmidt.

Jeppe Høy Christensen supervised PhD student Klaudia Andersson, University of Southern Denmark: “Hearing-health behaviour and real-world hearing-aid outcome in children and adults”. University of Southern Denmark supervisor: Tobias Neher. Work continues in 2021.

Johannes Zaar, Lars Bramsløw and Niels Henrik Pontoppidan 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 supervisor: Torsten Dau. Project supported by the WDF via CHES. Work continues in 2021.

Niels Henrik Pontoppidan supervised PhD student Maciej Korzeka, Technical University of Denmark. Technical University of Denmark supervisor: Jakob Eg Larsen. Project supported by the WDF. Work continues in 2021.

Emina Alickovic supervised Master student Ante Forsgren, Lund University: “Improving Classification of Auditory Attention using Optimized Multitapers and Machine Learning”. Lund University supervisor: Maria Sandsten.

Emina Alickovic supervised Master student Johanna Wilroth, Lund University: “Domain Adaptation for Attention Steering”. Lund University supervisors: Frida Heskebeck, Carolina Lidström and Bo Bernhardsson.

Dorothea Wendt and Lorenz Fiedler supervised Master student Julia Yevchenko, University of Southern Denmark: “Hvordan indtrykket af høreapparaters teknologiske modernitet påvirker motivation og lytteanstrengelse hos personer med høretab”. University of Southern Denmark supervisor: Tobias Neher.

Lars Bramsløw supervised PhD student Josefine Munch Sørensen, Technical University of Denmark: “The effect of hearing loss and noise on conversational dynamics”. Supervisors: Bastian Epp, Technical University of Denmark and Ewen MacDonald, University of Waterloo. Project supported by the William Demant Foundation. Work continues in 2021.

Lars Bramsløw supervised Industrial postdoc student Adel Zahedi, Aalborg University: “Joint noise reduction and hearing loss compensation for hearing aids”. Supervisors: Jan Østergaard, Aalborg University and Jesper Jensen, Michael Syskind Pedersen and Thomas Ulrich Christiansen, Demant. Project supported by the Innovation Foundation DK.

Martin Skoglund supervised Master students Alfred Fredriksson and Joakim Wallin, Linköpings University: “Mapping an Auditory Scene Using Eye Tracking Glasses”. Linköpings University supervisor: Clas Veibäck. Project supported by ERH via Oticon AB.

Martha Shiell supervised Master student Teresa Cabella, Glasgow University: “Audiovisual Listening in Hearing-Impaired Adults”. Project supported by Swedish Research Council. Work continues in 2021.

Martha Shiell supervised Master student Lucca Julie Nellemann, Aalborg University: “The benefits and user experience of hearing aids controlled by eye gaze of the user”. Supervisors: Poul Hoang and Lars Bo Larsen, Aalborg University. Project supported by Swedish Research Council.

Johannes Zaar, Martha Shiell and Sergi Rotger-griful supervised Master student Sascha Peter Bilert, Technical University of Denmark: “Decoding Attention in Real-World Listening”. Supervisor: Jens Hjortkjær, Technical University of Denmark.

Hamish Innes-Brown supervised PhD student Alicia Caribali, University of Melbourne “An objective measure of listening effort and its application in bone-anchored hearing aids”. Supervisors: Colette McKay, Bionics Institute, Søren Riis, Oticon Medical and Robert Luke, Macquarie University. Project supported by Demant Foundation, University of Melbourne. Work continues in 2021.

Hamish Innes-Brown supervised PhD student Scott Aker, Technical University of Denmark: “Electro-tactile hearing: Using tactile stimulation to improve music perception in cochlear implant users”. Supervisors: Jeremy Marozeau, Technical University of Denmark and Kathryn Sculzo, Marianna Vatti, Søren Riis, Oticon Medical. Project supported by Innovation Foundation. Work continues in 2021.

Hamish Innes-Brown supervised PhD student Darren Mao, University of Melbourne: “Objective fitting of cochlear implants”. Supervisors: Colette McKay, Bionics Institute, Matthew Petoe, Bionics Institute and Yan Wong, Monash University. Project supported by University of Melbourne, Australian Government.

## External examinations

Niels Henrik Pontoppidan was external examiner for the MSCE Project for the PhD student Stine Palm, Technical university of Denmark: “Evaluating the effects of hearing-aid processing on conversational dynamics”. Supervisors: Ewen McDonald and Josefine Munch Andersen (Technical University of Denmark) and Eline Borch Pedersen (WSA).

Niels Henrik Pontoppidan was external examiner for the MSCE Project for the PhD students Egil Hofgaard and Kristoffer Andersen, Technical university of Denmark: “A deep learning approach to NMR spectral analysis”. Supervisor: Tommy Sonne Alstrøm (Technical University of Denmark).

Niels Henrik Pontoppidan was external examiner for the MSCE course for 31 PhD students, Technical university of Denmark: “02460 Advanced Machine Learning”. Supervisor: Lars Kai Hansen (Technical University of Denmark).

Niels Henrik Pontoppidan was external examiner for the MSCE course for 10 PhD students, Technical university of Denmark: “22000 Acoustic Communication”. Supervisor: Jens Hjortkjær (Technical University of Denmark).

Lars Bramsløw was external examiner for the MSCE course for 11 PhD students, Technical university of Denmark: “22001 Acoustic signal processing”. Supervisor: Tobias May (Technical University of Denmark).

Lars Bramsløw was external examiner for the MSCE Project for the PhD student Karol Jakub Klimkowski, Technical university of Denmark: “User specific intention based preference for compression settings in hearing aids”. Supervisor: Tobias May (Technical University of Denmark).

Lars Bramsløw was external examiner for the MSCE Project for the PhD student Miguel Tembory Gutierrez, Technical university of Denmark: "Modellering af hjernestampotentialer i normalthørende og hørehæmmede personer". Supervisor: Torsten Dau (Technical University of Denmark).