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- Education

1999 Associate professor (docent), Music Acoustics, KTH.

1989 Ph.D. (Tekn.Dr) thesis: Acoustical Aspects of Choir Singing, KTH.

1982 M.Sc.E.E. (civ.ing. elektroteknik), KTH

- Current employment

2003- Professor of music acoustics and voice acoustics

- Prior employment

1995-2000 part-time 50% as chief scientific officer in a spin-off company. Otherwise, the tenure track career at KTH, from 1982 to present. Sten Ternström heads the Voice Research team at the Department of Speech, Music and Hearing (TMH) at KTH. His main research interests are the human voice, singing, audio technology and music acoustics. He is an international authority on voice analysis and on the acoustics of choir singing.

- Recent grants

Wenner-Gren Stiftelserna, guest researcher grant 77 kSEK, spring 2019.

2016-2017 Small Visionary Project “Uncovering the Differences between Natural and Synthesized Voice Sounds”, KTH CSC 0,6 MSEK (co-p.i.)

2014-2016 Numerical modelling of the non-vibratory biomechanics of human voice production, VR (p.i. = principal investigator), 3 MSEK

2014-2016 Sketching Audio Technologies using Vocalizations and Gestures (SkAT-VG), EU FP7-ICT-FET Open (local coordinator, work package leader), total EU contribution 2.44 M€

2013-2016 Extensive Unified-domain Simulation of the Human Voice (EUNISON), EU FP7-ICT-FET Open (project coordinator), total EU contribution 2.96 M€

2011-2013 Phonatory dynamics and phonatory states, VR (p.i.), 3,02 MSEK

- Supervision of doctoral students

Main supervisor for Anick Lamarche (2009-03), Andreas Selamtzis (2018-02), Peter Pabon (2018-10); co-supervisor for Annika Szabo Portela (KI, 2017-10), Joakim Gustafsson (KI, 2020-03), Saeed Dabbaghchian (2018-12). Also Marie Curie Training Site coordinator for 10 incoming doctoral exchange students 2001-2005.

- Teaching (annually)

2 annual undergraduate courses of my own; incidental teaching in 4 other courses;

2 doctoral courses, 5-10 B.Sc. degree projects, 4-6 M.Sc. degree projects;

Popular science lectures to the music, choral and voice communities about 5 times.

- Presentations at international conferences

About 3-4 annually, usually about one invited lecture per year

- Prizes and awards

Fellow of the Acoustical Society of America

G. Paul Moore lecturer 2017, The Voice Foundation, Philadelphia, USA

- Commissions of trust

- 1990-2009 Board member, Röstfrämjandet, the Swedish Voice Society
1995-2000 Co-founder, board member and part owner of AB Nyvalla DSP
1992-2016 Associate editor for vocology, Logopedics Phoniatics Vocology
1998-02 Member of the programme committee for KTH Media Technology
1999-02 Member of the steering committee of the Choir Centre at Uppsala University
2000-2008 Scientific Advisor to Saven Hitech Development AB
2000-4, 2018- Director of undergraduate studies at KTH-TMH
2000- Member of the Scientific Advisory board of the Voice Foundation (USA)
2001- Member of the Editorial Board of Journal of Voice (USA)
2001- Expert evaluator to the European Commission, and various Nordic and Canadian funding bodies
2003- Member of the Editorial Board of the Int'l J. of Research in Choir Singing
2001-5 EU Marie Curie Training Site host department co-ordinator
2007-11 Swedish delegate to EU COST action 2103: Advanced Voice Function Assessment
2008- Board member and 2015-2017 director of the Centre for Opera and Technology, a collaboration between KTH and the University College of Opera, Stockholm University of the Arts (now reorganized)
2010-2013 External reviewer to the project Assistive Real-Time Technology in Singing (ARTTS) PTDC/SAU, Porto, Portugal
2003-2013 Head of the KTH Music Acoustics Research Group
2016- Board member, the Hörselbron foundation
2016- Associate editor for speech, Acta Acustica united with Acustica

Peer reviewer to Journal of the Acoustical Society of America, Journal of Voice, Logopedics Phoniatics Vocology, IEEE Transactions on Speech and Audio Processing, Journal of Speech and Language Hearing Research, Folia Phoniatica, International Journal of Research in Choir Singing, PLOS One, and to others; and also to conferences in the field.