LIST OF PUBLICATIONS

Reviewed journals

Bimbot F, Blomberg M, Boves L, Genoud D, Hutter H-P, Jaboulet C, Koolwaaij J, Lindberg J & Pierrot J-B (2000). An overwiev of the CAVE project research activities in speaker verification. *Speech Comm* 31: 155-180.

Hennebert J, Melin H, Petrovska D & Genoud D (2000). POLYCOST: A telephone-speech database for speaker recognition. *Speech Comm* 31/2-3: 265-270.

Hertegård S, Granqvist S & Lindestad P-Å (2000). Botulinum toxin injections for essential voice tremor. *Ann Otol Rhinol Laryngol* 109/2: 204-209.

Karlsson I, Banziger T, Dankovicová J, Johnstone T, Lindberg J, Melin H, Nolan F & Scherer K (2000). Speaker verification with elicited speaking-styles in the VeriVox project. *Speech Comm* 31/2-3: 121-129.

Magnuson T & Hunnicutt S (2000). Linguistic evaluation of Profet II: A pilot project. *Log Phon Vocol* 25/3: 105-114.

McAllister A, Sederholm E & Sundberg J (2000). Perceptual and acoustic analysis of vocal registers in ten-year-old children. *Log Phon Vocol* 25: 63-71.

Rosen K & Yampolsky S (2000). Tutorial of automatic speech recognition and a review of its functioning with dysarthric speech. *AAC, J Intl Society for Augmentative and Alternative Communication,* 16/1: 48-60.

Runnemalm A, Molin N-E & Jansson E (2000). On operating deflection shapes of the violin body including in-plane motions. *J Acoust Soc Am* 107/6: 3452-3459.

Sundberg J (2000). Emotive transforms. *Phonetica, 57*: 95-112.

Sundberg J (2000). Music technology and audioprocessing. Rall or accel into the new millennium. *Organised Sound,* 4: 153-160.

Conference papers

(Proceedings, national and international)

Bannert R, Botinis A, Bruce G, Engstrand O, Granström B, Lindblad P & Strangert E (2000). Phonetics in Sweden 2000. In: Botinis A & Torstensson N, eds. *Fonetik 2000, Proc of the Swedish Phonetics Conference*, Skövde, May, 2000; 1-8.

Bell L & Gustafson J (2000). Positive and negative user feedback in a spoken dialogue corpus In: Yuan B, Huang T & Tang X (eds). *Proc of ICSLP 2000, 6th Intl Conf on Spoken Language Processing*, Beijing, Oct 2000; I: 589-592.

Bell L, Boye J, Gustafson J & Wirén M (2000). Modality convergence in a multimodal dialogue system. In: Poesio M & Traum D, eds. *Proc of Götalog 2000, Fourth Workshop on the Semantics and Pragmatics of Dialogue*, Gothenburg, June 2000; 29-34.

Bell L, Eklund R & Gustafson J (2000). A comparison of disfluency. Distribution in a unimodal and a multimodal speech interface. In: Yuan B, Huang T & Tang X (eds). *Proc of ICSLP 2000, 6th Intl Conf on Spoken Language Processing,* Beijing, Oct 2000; III: 626-629.

Beskow J, Granström B, House D & Lundeberg M (2000). Experiments with verbal and visual conversational signals for an automatic language tutor. In: Delcloque P & Bramoullé A (eds.) *Proc of InSTIL 2000*, University of Albertay Dundee, Dundee, Scotland, Aug 29-30, 2000; 138-142.

Boye J, Hockey BA & Rayner M (2000). Asynchronous dialogue management: Two case-studies. In: Poesio M & Traum D, eds. *Proc of Götalog 2000, Fourth Workshop on the Semantics and Pragmatics of Dialogue*, Gothenburg, June 2000; 51-55.

Bresin R & Friberg A (2000). Rule-based emotional coloring of music performance.

In: *Proc Intl Computer Music Conference* - ICMC 2000, Berlin; 364-367.

Bresin R & Friberg A (2000). Software tools for musical expression. In: *Proc Intl Computer Music Conference* - ICMC 2000, Berlin: 499-502.

Eineborg M & Lindberg N (2000). ILP in part-of-speech tagging. An overview. In: Cussens J & Džeroski S, eds. *Learning Language in Logic Workshop (LLL99),* Bled, Slovenia, June 1999; Springer, Chapt III: 157-169.

Engwall O & Badin P (2000). An MRI study of Swedish fricatives: coarticulatory effects. In: Hole P, ed. *Proc of 5th Speech Production Seminar: Models and data.* Kloster Seeon, Germany; 297-300.

Engwall O (2000). A 3D tongue model based on MRI data. In: Yuan B, Huang T & Tang X (eds). *Proc of ICSLP 2000, 6th Intl Conf on Spoken Language Processing,* Beijing, Oct 2000; III: 901-904.

Engwall O (2000). Are static MRI representative of dynamic speech? Results from a comparative study using MRI, EPG, and EMA. In: Yuan B, Huang T & Tang X (eds). *Proc of ICSLP 2000, 6th Intl Conf on Spoken Language Processing,* Beijing, Oct 2000; I: 17-20.

Fant G & Kruckenberg A (2000). A prominence based model of Swedish intonation. In: Yuan B, Huang T & Tang X (eds). *Proc of ICSLP 2000, 6th Intl Conf on Spoken Language Processing,* Beijing, Oct 2000; II: 341-344.

Fant G (2000). Half a century in phonetics and speech research. In: Botinis A & Torstensson N, eds. *Proc of Fonetik 2000, The Swedish Phonetics Conf,* Skövde, May 2000; 9-16.

Granqvist S, Lindestad P-Å & Hammarberg B (2000). Fourier analysis applied to high-speed laryngoscopy. In: Braunschweig T, Hanson J, Schelhorn-Neise P & Witte H, eds. *Proc of 4th Intl Conf on Advances in Quantitative Laryngoscopy, Voice and Speech Research,* Jena, Germany, April 2000; 86-92.

Gustafson J, Bell L, Beskow J, Boye J, Carlson R, Edlund J, Granström B, House D & Wirén M (2000). AdApt - a multimodal conversational dialogue system in an apartment domain. In: *Proc. of ICSLP 2000, 6th Intl Conf on Spoken Language Processing,* Beijing, Oct 2000.: II: 134-137.

Heldner M (2000). Is non-linear lengthening important for the perceived naturalness of focal accented Swedish words. In: Botinis A & Torstensson N, eds. *Fonetik 2000, Proc of the Swedish Phonetics Conference*, Skövde, May, 2000; 69-72.

Hertegård S, Larsson H & Granqvist S (2000). Realistic measures of dimensions and calibration of laryngeal images. *Proc of Oto-Rhino-Laryngol, Head and Neck Surgery*, Berlin, May; 975-983.

House D (2000). Rise alignment in the perception of focal accent and pitch in Swedish. In: Botinis A & Torstensson N, eds. *Fonetik 2000, Proc of the Swedish Phonetics Conference*, Skövde, May, 2000; 73-76.

Johansen FT, Warakagoda N, Lindberg B, Lehtinen G, Kačič Z, Žgank A, Elenius K & Salvi G (2000). The COST 249 SpeechDat multilingual reference recogniser. In: Gavrilidou M, Caryannis G, Markantonatou S, Piperidis S & Stainhaouer G, eds. *Proc. of LREC 2000, 2nd Intl Conf on Language Resources and Evaluation.* Athens, Greece; III: 1351-1356.

Liljencrants J, Fant G & Kruckenberg A (2000). Subglottal pressure and prosody in Swedish. In: Yuan B, Huang T & Tang X (eds). *Proc of ICSLP 2000, 6th Intl Conf on Spoken Language Processing,* Beijing, Oct 2000; I: 1-4.

Lindberg B, Johansen FT, Warakagoda N, Lehtinen G, Kačič Z, Žgank A, Elenius K & Salvi G (2000). A noise robust multilingual reference recogniser based on SpeechDat(II). *Proc of ICSLP 2000, 6th Intl Conf on Spoken Language Processing,* Beijing, Oct 2000; III: 370-373.

Lindberg J & Blomberg M (2000). On the potential threat of using large speech corpora for impostor selection in speaker verification. In: Yuan B, Huang T & Tang X (eds). *Proc. of ICSLP 2000, 6th Intl Conf on Spoken Language Processing,* Beijing, Oct 2000; II: 258-261.

Lindestad P-Å, Hammarberg B, Larsson H & Granqvist S (2000). Ventricular fold covibration in chronic laryngitis studied with high-speed imaging and acoustic analysis. In: *Proc of 24th Congress of the Intl Association of Logopedics and Phoniatrics, IALP-98, Amsterdam; 210-213*.

Magnuson T & Blomberg M (2000). Acoustic analysis of dysarthric speech. In: Botinis A & Torstensson N, eds, *Proc of Fonetik 2000, The Swedish Phonetics Conf*, Skövde, May; 105-108.

Mariethoz J, Lindberg J & Bimbot F (2000). A MAP approach with synchronous decoding and unit-based normalization for text-dependent speaker verification. In: Yuan B, Huang T & Tang X (eds). *Proc of ICSLP 2000, 6th Intl Conf on Spoken Language Processing,* Beijing, Oct 2000; II: 286-289.

Pakucs B & Gambäck B (2000). Designing a system for Swedish spoken document retrieval. In: Nordgård T, ed. *Proc of NODALIDA-99*, 12th Nordic Conference in Computational Linguistics, Trondheim, Norway, 1999; 162-174.

Rosengren E, Magnuson T, Hunnicutt S & Blomberg M (2000). Analysis of dysarthric speech for use with speech recognition. In: *Proc of ISAAC´00, 9th Biennal Conf of the Intl Society for Augmentative and Alternative Communication*, Washington, DC, USA; 64-66.

Seward A (2000). A tree-trellis N-best decoder for stochastic context-free grammars. In: Yuan B, Huang T & Tang X (eds). *Proc of ICSLP 2000, 6th Intl Conf on Spoken Language Processing,* Beijing, Oct 2000; IV: 282-285.

Sjölander K & Beskow J (2000). WaveSurfer - an open source speech tool. In: Yuan B, Huang T & Tang X (eds). *Proc of ICSLP 2000, 6th Intl Conf on Spoken Language Processing,* Beijing, Oct 2000; IV: 464-467.

Wissing D, Gustafson K & Coetzee A (2000). Temporal organisation in some varieties of South African English. *Proc Workshop on Black South African English,* Intl Conf on Linguistics in Southern Africa, Cape Town, South Africa, January, 2000, pp. 59-68.

Dissertations and Licentiate theses

Bell L (2000). *Linguistic adaptations in spoken and multimodal dialogue systems*. Licentiate thesis, December 2000, TMH, KTH, Stockholm. TRITA-TMH 2000:11; ISSN 1104-5787; ISBN 91-7283-009-3.

Bresin R (2000). *Virtual Virtuosity. Studies in Automatic Music Performance.* Doctoral dissertation. December 2000, TMH, KTH. TRITA-TMH 2000:9; ISSN 1104-5787; ISBN 91-7170-643-7.

Granqvist S (2000*). Computer methods for perceptual, acoustic and laryngoscopic voice analysis*. Licentiate thesis, December 2000, TMH, KTH, Stockholm. TRITA-TMH 2000:12; ISSN 1104-5787; ISBN 91-7283-013-1.

Lindberg J (2000). *Speech technology for secure transactions. Three aspects of speaker verification deployed over the telephone network*. Licentiate thesis. October 2000. TMH, KTH. TRITA-TMH 2000:6, ISSN 1104-5787, ISRN KTH/-TMH/FR--00/6--SE.

Prame E (2000). *Vibrato and intonation in classical singing*. Licentiate thesis, December 2000, TMH, KTH, Stockholm. TRITA-TMH 2000:10; ISSN 1104-5787; ISBN 91-7283-001-8.

Smeds K (2000*). Cochlear hearing loss and evaluation of prescriptive methods for non-linear hearing aids*. Licentiate thesis, October, 2000, TMH, KTH, Stockholm. TRITA-TMH 2000:7, ISSN 1104-5787, ISBN 91-7170-634-8.

Öhman T (2000). *Vision in speech technology. Automatic measurements of visual speech and audiovisual intelligibility of synthetic and natural faces*. Licentiate thesis, January 2000, TMH, KTH, Stockholm. TRITA-TMH 1999:5, ISSN 1104-5787, ISRN KTH/TMH/FR--99/5--SE.

Other publications

(TMH Quarterly Report - QPSR, books)

Agelfors E (2000). Comparison between the Multipeak (MPEAK) and Spectral Peak (SPEAK) speech coding strategies on objective and subjective speech tests by some cochlear implants. *TMH-QPSR, KTH*, 2-3/2000: 69-83.

Bickley C & Hunnicutt S (2000). ENABL – Enabler for engineering software using language and speech. *TMH-QPSR, KTH*, 1/2000: 1-12.

Bresin R & Battel GU (2000). Legato, staccato, and repeated tones in expressive piano performance. *TMH-QPSR, KTH,* 1/2000: 61-71.

Bresin R & Widmer G (2000). Production of staccato articulation in Mozart sonatas played on a grand piano. Preliminary results. *TMH-QPSR, KTH,* 4/2000: 1-6.

Bruce G, Filipsson M, Frid J, Granström B, Gustafson K, Horne M & House D (2000). Modelling of Swedish Text and Discourse Intonation in a Speech Synthesis Framework. In: Botinis A (ed.). *Intonation: Analysis, Modelling and Technology*, Dordrecht, The Netherlands: Kluwer Academic Publishers; 291-320.

Cleveland TF, Sundberg J & Stone RE (2000). Long-term-average spectrum characteristics of country singers during speaking and singing. *TMH-QPSR, KTH,* 2-3/2000: 89-94.

Dahl S, Granqvist S & Thomasson M (2000). Detection of drift intempo. *TMH-QPSR, KTH,* 4/2000: 19-27.

Engwall O (2000). Dynamical aspects of coarticulation in Swedish fricatives - a combined EMA & EPG study. *TMH-QPSR, KTH*, 4/2000: 49-74.

Engwall O (2000). Replicating three-dimensional tongue shapes synthetically. *TMH-QPSR, KTH,* 2-3/2000: 53-64.

Fant G, Kruckenberg A & Liljencrants J (2000). Acoustic-phonetic analysis of prominence in Swedish. Chapt 6. In: Botinis A, ed. *Intonation. Analysis, Modelling and Technology.* Kluwer Academic Publ.

Fant G, Kruckenberg A, Liljencrants J & Hertegård S (2000). Acoustic phonetic studies of prominence in Swedish. *TMH-QPSR, KTH*, 2-3/2000: 1-51.

Friberg A, Sundberg J & Frydén L (2000). Motion in music: Sound level envelopes of tones expressing human locomotion. *TMH-QPSR, KTH,* 1/2000: 73-82.

Granqvist S & Lindestad P-Å (2000). Fourier analysis applied to high-speed laryngoscopy. *TMH-QPSR, KTH,* 1/2000: 55-60.

Iwarsson J (2000). Effects of inhalatory abdominal wall movement on vertical laryngeal position during phonation. *TMH-QPSR, KTH*, 2-3/2000: 95-104.

Iwarsson J (2000). Perceptual detection of inhalation in reading. *TMH-QPSR, KTH*, 4/2000: 7-18.

Lindberg N & Gustafson J (2000). Example based shallow semantic analysis in the August spoken dialogue system. *TMH-QPSR, KTH*, 1/2000: 39-44.

Magnuson T & Blomberg M (2000). Acoustic analysis of dysarthric speech with some implications for automatic speech recognition. *TMH-QPSR, KTH*, 1/2000: 19-30.

Massaro DW, Cohen MM, Beskow J & Cole RA (2000). Developing and evaluating conversational agents. In: Cassel J, Sullivan J, Prevost S & Churchill E (eds). *Embodied Conversational Agents,* MIT Press; pp 287-318. ISBN 0-262-03278-3.

Nordqvist P (2000). The behaviour of non-linear (WDRC) hearing instruments under realistic simulated listening conditions. *TMH-QPSR, KTH*, 2-3/2000: 65-68.

Pabon P, McAllister A, Sederholm E & Sundberg J (2000). Dynamics and voice quality information in the computer phonetograms of children´s voices. In: White P, ed. *Child Voice*, KTH Voice Research Centre, Stockholm; 85-101.

Rosengren R (2000). Perceptual analysis of dysarthric speech in the ENABL project. *TMH-QPSR, KTH*, 1/2000: 13-18.

Smeds K & Leijon A, eds. (2000). *Hörapparatutprovning.* Bromma (Stockholm, Sweden): CA Tegnér AB.

Sundberg J (2000). Groping and differentiations. Two main principles in the performance of music. In: Nakada T, ed. *Integrated Human Brain Science: Theory, Method, Application (Music).* Amsterdam 2000: Elsevier, 299-314.

Sundberg J (2000). Where does the sound come from? In: Potter J, ed. *Companion to Singing*. Cambridge Univ Press; 231-247.

Talbot N (2000). Improving the speech recognition in the ENABL project. *TMH-QPSR, KTH,* 1/2000: 31-38.

TMH-QPSR 1/2000 - Speech, Music and Hearing. Quarterly Progress and Status Report, Jan –March, 2000, Department of Speech, Music and Hearing, KTH. TRITA-TMH 2000:2; ISSN 1104-5787; ISRN KTH/TMH/FR—00/2--SE.

TMH-QPSR 2-3/2000 - Speech, Music and Hearing. Quarterly Progress and Status Report, Apr - Sept., 2000, Department of Speech, Music and Hearing, KTH, Sweden. TRITA-TMH 2000:5; ISSN 1104-5787; ISRN KTH/TMH/FR—00/5--SE.

TMH-QPSR 4/2000 - Speech, Music and Hearing. Quarterly Progress and Status Report, Oct-Dec. 2000, Deparment of Speech, Music and Hearing, KTH, Sweden. TRITA-TMH 2000:13; ISSN 1104-5787; ISRN KTH/TMH/FR--00/13--SE.

White P & Sundberg J (2000). Spectrum effects of subglottal pressure variation in professional baritone singers. *TMH-QPSR, KTH,* 4/2000: 29-32.

White P (2000). Long-term average spectrum (LTAS) analysis of evelopmental changes in children's voices. *TMH-QPSR, KTH*, 2-3/2000: 85-87.

White P (2000). Voice source and formant frequencies in 11-year-old girls and boys. In: White P, ed. *Child Voice*, KTH Voice Research Centre, Stockholm; 13-26.

White P, ed. (2000). *Child Voice*, KTH Voice Research Centre, Stockholm, ISBN: 91-7170-512-0.

Whiteside SP, de Bruijn CG, Rosen KM, Hunnicutt S, Nord L & Syder D (2000). Voice changes after using avoice input system: An acoustic study. *TMH-QPSR, KTH,* 4/2000: 33-47.

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