PUBLICATIONS

Reviewed journals

Beaugendre F, House D & Hermes DJ (2001). Accentuation boundaries in Dutch, French and Swedish. *Speech Communication*, 33: 305-318.

Bresin R & Battel GU (2000). Articulation strategies in expressive piano performance. Analysis of legato, staccato, and repeated notes in performances of the Andante movement of Mozart's sonata in G major (K 545). *J New Music Res.* 29/3: 211-224. (Distributed 2001).

Bresin R & Friberg A (2000). Emotional coloring of computer controlled music performance. *Computer Music J* 24; 44-63. (Distributed 2001).

Cleveland T, Sundberg J & Stone RE (2001). Long-term-average spectrum characteristics of country singers during speaking and singing, *J Voice* 15: 54-60.

Dahl S (2000). The playing of an accent. Preliminary observations from temporal and kinematic analysis of percussionists. *J New Music Res.* 29/3: 225-234. (Distributed 2001).

Fant G (2001). T Chiba and M. Kajiyama. Pioneers in Speech Acoustics. *J Phonetic Society of Japan*, 5/2: 4-5.

Fant G, Kruckenberg A & Liljencrants J (2000). The source-filter frame of prominence. *Phonetica* 57: 113-127.

Friberg A, Sundberg J & Frydén L (2000). Music from motion: Sound level envelopes of tones expressing human locomotion. *J New Mus Res* 29/3: 199-210. (Distributed 2001).

Galembo A, Askenfelt A, Cuddy L & Russo F (2001). Effects of relative phases on pitch and timbre in the piano bass range. *J Acoust Soc Am* 110(3): 1649–1666. (även på http://ojps.aip.org/journals/doc/JASMAN-ft/vol_110/iss_3/1649_1.html.

Heldner M & Strangert E (2001). Temporal effects of focus in Swedish. *J Phonetics* 29/3: 329-361.

Hunnicutt S & Carlberger J (2001). Markov models and heuristic methods improve a word prediction program. *J Augmentative and Alternative Communication* 17: 255-264.

Lindestad P-Å, Södersten M, Merker B, Granqvist S (2001). Voice source characteristics in Mongolian 'throat singing' studied with high-speed imaging technique, acoustic spectra, and inverse filtering. *J Voice* 15: 78-85.

Magnusson L, Karlsson M & Leijon A (2001). Predicted and measured speech recognition performance in noise with linear amplification. *Ear Hear* 22/1: 46-57.

Raghavendra P, Rosengren E & Hunnicutt S (2001). An investigation of different degrees of dysarthric speech as input to speaker dependent and speaker-adaptive recognition systems. *J Augmentative and Alternative Communication* 17: 265-275.

Runnemalm A, Molin N-E, Jansson E (2001). On operating deflection shapes of the violin body including in-plane motions. *J Acoust Soc Am* 107: 3452-3459.

Smeds K & Leijon A (2001). Threshold-based fitting methods for non-linear (WDRC) hearing instruments - Comparison of acoustical characteristics. *Scand Audiol* 30/4: 213-222.

Sundberg J (2000). Four years of research on music and motion. *J New Music Res*. 29/3: 183-186 (Distributed 2001).

Sundberg J (2001). Level and center frequency of the singer´s formant. *J Voice* 15: 176-186.

Sundberg J & Högset C (2001). Voice source differences between falsetto and modal registers in counter tenor, tenor, and baritone singers. *Log Phon Vocol* 26: 26-36.

Ternström S, Andersson M & Bergman U (2000). An effect of body massage on voice loudness and phonation frequency in reading. *Log Phon Vocol* 25/4: 146-150.

Thalén M & Sundberg J (2001). Describing different styles of singing: A comparison of a female singer´s voice source in "Classical", "Pop", "Jazz" and "Blues". *Log Phon Vocol* 26/2: 82-93.

Thomasson M & Sundberg J (2001). Consistency of inhalatory breathing patterns in professional operatic singers. *J Voice* 15/3: 373-383.

Ungvary T & Vertegaal R (2000). Designing musical cyberinstruments with body and soul in mind. *J New Music Res.* 29/3: 245-255. (Distributed 2001).

White P (2001). Long-term average spectrum (ILTAS) analysis of sex- and gender-related differences in children´s voices. *Log Phon Vocol* 26/3: 97-101.

Conference papers

(Proceedings, non-reviewed papers, QPSR)

Askenfelt A & Guettler K (2001). Bows and timbre - myth or reality? *Intl Symposium on Musical Acoustics (ISMA 01)*, Sep 10-14, 2001 Perugia, Italy.

Askenfelt A (2001). Piano hammers - Motion during string contact and shank bending (Invited speaker). *Proc. of the 17th International Conference on Acoustics (ICA 01),* Rome, Sept 2-7, 2001 CD rom, Vol 4.

Boccardi F & Drioli C (2001). Sound morphing with Gaussian Mixture Models. In: *Proc of the 4th G-6 Conference on Digital Audio Effect (DAFX01)*, Limerick, Ireland, Dec 6-8, 2001, 44-48.

Bresin R & Friberg A (2001). Expressive musical icons. In: Hiipakka J, Zakarov N & Takala T (eds). *Proc 2001 Intl Conf on Auditory Display*, Espoo, Finland, July 29 - August 1, 2001: 141-143.

Bresin R (2001). Articulation rules for automatic music performance. In: *Proc Intl Computer Music Conf 2001*, San Francisco: Intl Computer Music Association.

Bresin R, Friberg A & Dahl S (2001). Toward a new model for sound control. In: *Proc DAFx01, Limerick, Ireland*. Pp 45-49.

Dahl S & Bresin R (2001). Is the player more influenced by the auditory than the tactile feedback from the instrument? In: *Proc DAFx01. Limerick, Ireland*. Pp 194-197.

Dahl S (2001). Arm motion and striking force in drumming. In: *Proc ISMA, Musical Sounds from Past Millennia,* Perugia, September 10-14, 2001.

Dahl S (2001). Arm motion and striking force in drumming. *XVIIIth Congress of the Intl Soc of Biomechanics,* Zürich, July 8 -13, 2001.

Dahlquist M (2001). NOAH-standardisering, kravspecifikationer. *STAF 2001* Örebro.

Dahlquist M, Lutman ME, Wood S, Leijon A, Boudy J, Bächler H (2001). Evaluation of a noise suppression algorithm applied to hearing instruments. *5th EFAS Congress*, Bordeaux, Sept 16-20, 2001.

Engwall O (2001a). Considerations in intraoral visual speech synthesis: Data and modelling. In: *Proc of 4th Intl Speech Motor Conf*, pp 23-26. .

Engwall O (2001b). Using linguopalatal contact patterns to tune a 3D tongue model. In: *Proc of Eurospeech 2001*, 2: 1475-1478.

Engwall O (2001c). Making the tongue model talk: Merging MRI & EMA Measurements. In: *Proc of Eurospeech 2001*, 1: 261-264.

Engwall O (2001d). Synthesising static vowels and dynamic sounds using a 3D vocal tract model. In: *Proc of 4th ISCA Tutorial and Research Workshop on Speech Synthesis*, August 29 - September 1, 2001.

Falkenberg Hansen K (2001). Playing the turntable. An introduction to scratching, *TMH-QPSR* 42/2001, 69-79.

Fant G (2001). On the speech code. *TMH-QPSR* 42/2001: 61-67 (On line only).

Fant G (2001). Swedish vowels and a new three-parameter mode. *TMH-QPSR* 42/2001: 43-49. (On line only).

Fant G (2001). T Chiba and M Kajiyama: Pioneers in speech acoustics *TMH-QPSR* 42/2001: 59-60 (On line only).

Fant G & Kruckenberg A (2001). A novel system for F0 analysis and prediction. In: Karlsson A & van de Weijer J, eds., *Fonetik 2001*, May 30-June 1, 2001, Örenäs, Sweden; Lund University, Department of Linguistics, Working papers. 49: 38-41.

Fant G, Kruckenberg A, Liljencrants J & Botinis A (2001). Prominence correlates. A study of Swedish. In: *Proc of Eurospeech 2001*, 1: 657-660.

Galembo A (2001). Perception of musical instrument by performer and listener (with application to the piano). Invited lecture. In: *Proc. of the Iinternational Workshop "Human Supervision and Control in Engineering and Music*", Kassel, Germany, 21-24 Sept.; 257-266.

Goebl W & Bresin R (2001). Are computer-controlled pianos a reliable tool in music performance research? Recording and reproduction precision of a Yamaha Disklavier grand piano. (PDF 703kb) *MOSART workshop on current research directions in computer music*, November 15-17, 2001, Barcelona. Pp 45-50.

Granström B, House D & Swerts M (2001). Multimodal feedback cues in human-machine interactions. *COST258 Meeting*, 8-10 November 2001. Maastricht, The Netherlands. (Abstract).

Granström B, House D, Beskow J & Lundeberg M (2001). Verbal and visual prosody in multimodal speech perception. In: van Dommelen W & Fretheim T, eds. *Nordic Prosody 2000: Proc of VIII Conf,* Trondheim, Norway, August 2000. 77-88.

Gustafson K & House D (2001). Children's evaluation of expressive synthesis: A web-based experiment. *COST258 Meeting*, 17-19 May, 2001. Prague. (Abstract)

Gustafson K & House D (2001). Expressive synthesis for children, a web-based evaluation. In: Karlsson A & van de Weijer J, eds., *Papers from Fonetik 2001,* Dept. of Linguisitics, Lund University. Working Papers. 49*:* 50-53.

Gustafson K & House D (2001). Fun or boring? A web-based evaluation of expressive synthesis for children. In: *Proc of Eurospeech 2001,* Aalborg, Denmark. 1: 565-568.

Gustafson-Capkova S & Megyesi B (2001). A comparative study of pauses in dialogues and read speech. In: *Proc of Eurospeech 2001*, Aalborg, Danmark, September 3-7, 2001. 2: 931-934.

Hansen KF (2001). Playing the turntable: An introduction to scratching. *TMH-QPSR* 42/2001: 69-79 (On line only).

Heldner M (2001). On the non-linear lengthening of focally accented Swedish words. In: van Dommelen W & Fretheim T, eds, *Nordic Prosody: Proc of the VIIIth Conference*, Trondheim, 2000; 103-112.

Heldner M (2001). Spectral emphasis as a perceptual cue to prominence, *TMH-QPSR*, 42/2001: 51-57. (On line only).

Heldner M (2001). Spectral emphasis as an additional source of information in accent detection. In: Bacchiani M, Hirschberg J, Litman D & Ostendorf M, eds. *Prosody 2001: ISCA Tutorial and Research Workshop on Prosody in Speech Recognition and Understanding*. Red Bank, NJ: ISCA; 57-60.

Hertegård S, Granqvist S & Sundberg J (2001). Simultaneous analysis of the glottal voice source by digital high-speed photography and inverse filtering. *30th Annual Symposium Care of the Professional Voice, Philadelphia,* June 13-17, 2001.

Heusdens R, Vafin R & Kleijn WB (2001). Sinusoidal modeling of audio and speech using psychoacoustic-adaptive matching pursuits. In: *Proc of 2001 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP'01),* Salt Lake City, Utah, USA, 2001. 5: 3281-3284.

Hincks Rebecca (2001). Using speech recognition to evaluate skills in spoken English. In: Karlsson A & van de Weijer J, eds., *Fonetik 2001,* May 30-June 1, 2001, Örenäs, Sweden; Lund University Department of Linguistics. Working Papers. 49: 58-61.

House D (2001). Focal accent in Swedish: perception of rise properties for Accent 1. In: van Dommelen W & Fretheim T, eds. *Nordic Prosody 2000: Proc of VIII Conf,* Trondheim, Norway, August 2000. 127-136.

House D, Beskow J & Granström B (2001). Interaction of visual cues for prominence. In: Karlsson A & van de Weijer J, eds., *Papers from Fonetik 2001,* Dept. of Linguisitics, Lund University. Working Papers. 49: 62-65.

House D, Beskow J & Granström B (2001). Timing and interaction of visual cues for prominence in audiovisual speech perception. In: *Proc of Eurospeech 2001,* Aalborg, Denmark. 1: 387-390.

Hunnicutt S & Magnuson T (2001). Linguistic structures for email and echat. In: Karlsson A & van de Weijer J, eds. *Fonetik 2001,* Lund University Department of Linguistics, May 30-June 1, 2001, Örenäs, Sweden; Working Papers. 49: 66-69.

Jansson EV, Henrik Morset L & Guettler K (2001). Prediction of violin radiation properties in the 200-700 Hz range. *Intl Symp on Musical Acoustics 2001*, Perugia, Italy.

Jansson EV, Niewczyk B & Frydén L (2001). The BH-peak of the violin and its relation to construction and function. *17th Intl Congress on Acoustics*, Rome, Italy (Invited speaker).

Karnebäck S (2001). Discrimination between speech and music based on a low frequency modulation feature. In: *Proc of Eurospeech 2001*, 3: 1891-1894.

Leijon A & Arlinger S (2001). Nytta av hörapparat - litteraturgenomgång. *STAF-konferens. Örebro*, 2001.

Leijon A (2001). Estimation of auditory information transmission capacity using a hidden Markov model of speech stimuli. *Oldenburg Summer School. Oldenburg, 2001*.

Lennart I, Smeds K & Leijon A (2001). Klinisk utvärdering av BeneFit Method, NAL-NL1, Camfit och Logic. *STAF-konferens. Örebro*, 2001.

Megyesi B & Gustafson-Capkova S (2001). Pausing in dialogues and read speech: Speaker's production and listeners interpretation. In: *Proc of the Workshop on Prosody in Speech Recognition and Understanding*. October 22-24, 2001, New Jersey, USA. 107-113.

Megyesi B (2001). Comparing data-driven learning algorithms for PoS tagging of Swedish. In: Proc of the Conference on Empirical Methods in Natural Language Processing (EMNLP 2001). Carnegie Mellon University, Pittsburgh, PA, USA, June 3-4, 2001; 151-158.

Megyesi B (2001). Data-driven methods for PoS tagging and chunking of Swedish. *13th Nordic Conference of Computational Linguistics, NoDaLiDa 2001*. May 21-22, 2001, Uppsala, Sweden.

Megyesi B (2001). Phrasal parsing by data-driven PoS taggers. In: *Proc of the Conf on Recent Advances in Natural Language Processing, Euro Conf RANLP-2001*. September 5-7, 2001, Tzigov Chark, Bulgaria. 166-173.

Melin H (2001). ATLAS: A generic software platform for speech technology based applications, *TMH-QPSR*, 42/2001: 29-42. (On line only).

Melin H, Sandell A & Ihse M (2001). CTT-bank: A speech controlled telephone banking system - an initial evaluation, *TMH-QPSR*, 42/2001: 1-27. (On line only)

Nilsson M & Kleijn WB (2001). Avoiding over-estimation in bandwidth extension of telephony speech. In: *Proc of IEEE Intl Conf on Acoustic Speech Signal Processing*, 2001, Salt Lake City, Utah, USA.

Nordqvist P & Dai H (2001). Automatic classification of the telephone listening environment in a hearing aid. *141st Meeting of Acoustical Society of America*. Chicago, June 4-8, 2001. *J Acoust Soc of Amer,* 109/5: 2491. (Abstract).

Pakucs B & Melin H (2001). PER: A speech based automated entrance receptionist. *13th Nordic Conference of Computational Linguistics, NoDaLiDa'01*, Uppsala University, Uppsala.

Pobloth H & Kleijn WB (2001). Squared error as a measure of phase perception. *Proc of Eurospeech 2001*, Aalborg/Denmark. 3: 1973-1976.

Schoonderwaldt E & Friberg A (2001). Towards a rule-based model for violin vibrato. In: *Proc of the Workshop on Current Research Directions in Computer Music,* Barcelona, Spain: Pompeu Fabra University, Audiovisual Institute. Nov 15-17, 2001. Poster.

Seward A (2001). Transducer optimizations for tight-coupled decoding. In: *Proc of Eurospeech 2001*. 3: 1607-1610.

Sjölander K (2001). Automatic alignment of phonetic segments. In: Karlsson A & van de Weijer J, eds., *Papers from Fonetik 2001*, Dept. of Linguisitics, Lund University. Working Papers. 49: 140-143.

Sundberg J (2001). A study of vocal ugliness. *30th Annual Symposium Care of the Professional Voice, Philadelphia*, June 13-17, 2001.

Sundberg J (2001). Breathing and support and their connection to the 'gold in the singer's throat', *Science of Voice & Singing, The National Voice Centre, The University of Sydney*, Sydney, Melbourne.

Sundberg J (2001). Der Radio Baton: Ein computergesteuertes Instrument zur Begleitung von Instrumentenschülern und studierenden. *Deutsch-Österreichisch-Schweizerische Studientagung*, April 27-29, Graz, Austria.

Sundberg J (2001). Experiments on the acoustics and psychoacoustics of the singing voice. *Musical Acoustics and Psychoacoustics: Tools and Methodology, Ionian University*, Corfu, Greece, March 30 – April 1, 2001.

Sundberg J (2001). Expression in music: Comparing vocal and instrumental performance. In: Karevold I, Jörgensen H, Hanken IM & Nesheim E (eds). Flerstemmige innspill 2000, *NMH-publikasjoner 2000:1*, Norges Musikkhögskole, Oslo, pp 5-19.

Sundberg J (2001). Genauigkeit beim Singen. *72. Kongress der Deutschen Gesellschaft für Sprach- und Stimmheilkunde e. V., Rostock,* Germany, June 8-9, 2001.

Sundberg J (2001). Information technology and music. In: *Proc of Symposium on IT and Music, Engineering and Physical Sciences Research Council*, Music and IT Workshop, Harrogate, UK, Febr 21-22, 2001. Pp 6-16.

Sundberg J (2001). Music performance. *MOSART project workshop Padova*, March 16-17, 2001.

Sundberg J (2001). Musikalisk interpretation. Ett titthål mot perception och kognition. *Musik, tid och medier, April 5, Alborg,* Denmark.

Sundberg J (2001). Phonatory breathing, a tutorial. *30th Annual Symposium Care of the Professional Voice, Philadelphia*, June 13-17, 2001.

Sundberg J (2001). Producing and shaping vocal sounds: Acoustics of the human voice. *Science of Voice & Singing, The National Voice Centre, The University of Sydney*, Sydney, Melbourne.

Sundberg J (2001). Real-time biofeedback in voice training and therapy. *5th Intl Congress of Voice Teachers, Helsingfors*, Finland, August 12-16, 2001.

Sundberg J (2001). Resonance, vocal folds and voice. Workshop on voice physiology and acoustics. *Voice Development and Health for Teachers and Pupils, Institute of Education, University of London*, March 9, 2001.

Sundberg J (2001). Understanding phonation. *Voice Development and Health for Teachers and Pupils, Institute of Education, University of London*, March 9, 2001.

Sundberg J (2001). What makes the difference between the speaking and singing voice? *Musical Acoustics and Psychoacoustics: Tools and Methodology, Ionian University,* Corfu, Greece, March 30 – April 1, 2001.

Sundberg J, Friberg A, Mathews MV & Bennett G (2001). Experiences of combining the radio baton with the director musices performance grammar. *MOSART project workshop on current research directions in computer music, Barcelona*, Nov 15-17, 2001.

Ternström S & Karna DR (2001). Choir acoustics. *5th Intl Conference of Voice Teachers*, Helsinki, August 12-16, 2001.

Ternström S, Södersten M & Bohman M (2001). Cancellation of simulated environmental noise as a tool for measuring vocal performance under ongoing load. *30th Intl Symposium on the Care of the Professional Voice*, Philadelphia, June 2001.

Thomasson M (2001). Invited panelist in panel discussion on Care of the Singing Voice, *XVII World Congress of the Intl Federation of Oto-Rhino-Laryngological Societies (IFOS),* Cairo, Oct 21-26, 2001.

Vafin R, Heusdens R & Kleijn WB (2001). Modifying transients for efficient coding of audio. In: *Proc of 2001 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP-01),* Salt Lake City, Utah, USA, 2001. 5: 3285-3288.

Vafin R, Heusdens R, van de Par S & Kleijn WB (2001). Improved modeling of audio signals by modifying transient locations. In: *Proc of 2001 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA'01),* New Paltz, NY, USA, 2001; 143-146.

Vicsi K, Roach P, Öster A, Kacic Z, Csatári F, Sfakianaki A & Veronik R (2001). A multilingual, multimodal, speech training system – SPECO. *Proc of Eurospeech 2001*, Aalborg, Scandinavia. 4: 2807-2810.

Vicsi K, Roach P, Öster A, Kacic Z, Csatári F, Sfakianaki A, Veronik R (2001). SPECO: A multilingual, multimodal speech training system, education arena. *Proc of Eurospeech* 2001, Aalborg Scandinavia, Demo can be downloaded from http://www.dcs.shef.ac.uk/spandh/ed_arena

Books, book chapters

Beskow J, Granström B & House D (2002). A multimodal speech synthesis tool applied to audio-visual prosody. In: Keller E, Bailly G, Monaghan A, Terken J & Huckvale M (eds). *Improvements in Speech Synthesis.* New York: John Wiley & Sons, Inc. 372-382.

Falkenberg Hansen K (2001). Turntable Music. In: *Musikkvidenskapelig Årbok 2000*, Dept of music, Norwegian University of Science and Technology, Trondheim, 145-160 (även på http://www.speech.kth.se/~hansen/turntablemusic.pdf).

Fant G. & Kruckenberg A. (2001). F0 analysis and prediction in Swedish prose reading. In: Grönnum N and Rischel J (eds.). *To honour Eli Fischer-Jörgensen*. Travaux du Circle Linguistique de Copenhague. Copenhagen; Reitzel, 124-147.

Gustafson K & House D (2002). Prosodic parameters of a "fun" speaking style. In: Keller E, Bailly G, Monaghan A, Terken J & Huckvale M (eds). *Improvements in Speech Synthesis*. New York: John Wiley & Sons, Inc. 264-272.

Sundberg J (2001). The Singing Voice. Chapter in *MIT Encyclopedia of Communication Disorders* (MITECD).

Sundberg J (2001). The singing voice. In: Sadie S, ed. *The New Grove Dictionary of Music and Musicians*. London: Grove.

Sundberg J (2001). Röstlära, 3e upplagan, ISBN 91-7118-885-1, Stockholm: Proprius förlag.

Dissertations and Licentiate theses

Guettler K (2001). *Development of Helmholtz motion and related wave patterns in the bowed string.* Licentiate thesis, KTH, May 2001. ISBN 91-7283-080-8.

Iwarsson J (2001). *Breathing and phonation. effects of lung volume and breathing behavior on voice function*, Doctorial thesis. Karolinska Institutet and KTH. ISBN 91-628-4522-5.

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