

## PARTICIPATION in conferences 2001

**Uppsala Universitets Körcentrums och  
KÖRSAMs forskningsdagar, Uppsala,  
Sweden, Jan. 30-31, 2001**

Ternström S. Kōrakustisk forskning – en  
översikt.

**Symposium on IT and Music, Engineering &  
Physical Sciences Research Council, IT &  
Computer Science Programme, Harrogate,  
UK, Febr 20-21, 2001**

Sundberg J. Information technology and music.  
(Invited keynote speaker)

**Institute of Education, University of London,  
Voice development and health for teachers  
and pupils (One day course). March 9, 2001**

Sundberg J. Understanding phonation.

Sundberg J. Resonance, vocal folds and voice.

**STAF 2001 Örebro, March 13-15, 2001**

Dahlquist M. NOAH-standardisering, krav-  
specifikationer.

Leijon A & Arlinger S. Nytt av hörapparat -  
litteraturgenomgång.

Lennart I, Smeds K & Leijon A. Klinisk  
utvärdering av BeneFit Method, NAL-NL1,  
Camfit och Logic.

**Sångpedagogkonferens, Lunnevals folkhög-  
skola, March 15-16, 2001**

Sundberg J. Hur rösten egentligen fungerar.

**MOSART IHP Network Meeting on Music  
Performance: analysis, modeling, tools,  
Padova, Italy, March 16-17, 2001**

Dahl S. Accents in drumming: kinematics and  
timing.

Sundberg J. Analysis by synthesis of music  
performance.

**Symposium on Music Performance: Analysis,  
Modeling, Tools. University of Padova in  
cooperation with Conservatory B. Marcello  
of Venice, Padova, Italy, March 16-17, 2001**

Sundberg J. Analysis by synthesis of music  
performance (tutorial).

**Institute for Hearing and Communication  
Research, Karolinska Institute, Stockholm,  
March 28, 2001**

Spens K-E. "Teleface" - Synthetic lip-reading  
support for hearing impaired telephone users.

**Seminar on Musical Acoustics and Psycho-  
acoustics: Tools and methodology, Music  
Dept, Ionian University, Corfu, Greece,  
March 30 - April 1, 2001**

Sundberg J. Acoustics and psychoacoustics of  
the singing voice.

Sundberg J. Music performance.

Sundberg J. Tools, methods and software in  
research in musical acoustics.

Sundberg J. What makes the difference between  
the speaking and singing voice?

**Musik, tid och medier. Symposium om tiden i  
musiken og musiken i tiden og om given  
mediers indflytelse på begge, Musikveten-  
skapliga institutionen, Aalborg Universitet,  
Denmark, April 5, 2001**

Sundberg J. Musikalisk interpretation. Ett titthåll  
mot perception och kognition.

**Deutsch-Österreichisches Studietagung,  
Graz, Austria, April 27-29, 2001**

Sundberg J. Der Radio Baton: Ein computer-  
gesteuertes Instrument zur Begleitung von  
Instrumentalschülern und -studierenden.

**The gesture workshop, Centro Tempo Reale, Firenze, April 30, 2001**

Dahl S. The accented stroke - kinematics and timing. (Invited speaker).

**Adult Aural Rehabilitation, Portland, Maine, May 7-9, 2001**

Spens K-E. Synthetic audiovisual stimuli, a new tool for the evaluation, training and testing of hearing impaired persons' communicative skill.

**IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP'01), Salt Lake City, Utah, USA, May 7-11, 2001**

Heusdens R, Vafin R & Kleijn WB. Sinusoidal modeling of audio and speech using psychoacoustic-adaptive matching pursuits.

Nilsson M & Kleijn WB. Avoiding over-estimation in bandwidth extension of telephony speech.

Vafin R, Heusdens R & Kleijn WB. Modifying transients for efficient coding of audio.

**Polar Prize Robert Moog Seminar, KTH Stockholm, May 15, 2001**

Ternström S. Science and Music - the Road Ahead. (Invited presentation).

**COST 258 Meeting, Prague, Czech Republic, May 17-19, 2001**

Gustafson K & House D. Children's evaluation of expressive synthesis: A Web-based experiment.

**13th Nordic Conference of Computational Linguistics, NoDaLiDa'01, Uppsala, Sweden, May 21-22, 2001**

Megyesi B. Data-driven methods for PoS tagging and chunking of Swedish.

Pakucs P & Melin H. PER: A speech based automated entrance receptionist.

**Fonetik 2001, Lund University, Sweden, May 30 - June 1, 2001**

Engwall O. Modeling the talking tongue.

Fant G & Kruckenberg A. A novel system for F0 analysis and prediction.

Gustafson K and House D. Expressive synthesis for children, a web-based evaluation.

Hincks R. Using speech recognition to evaluate skills in spoken English.

House D, Beskow J & Granström B. Interaction of visual cues for prominence.

Hunnicut S & Magnuson T. Linguistic structures for email and echat.

Jande P-A. Stress patterns in Swedish lexicalised phrases.

Karlsson I. Voluntary and involuntary speech variations - a few examples from the VeriVox database.

Nordstrand M. Gestures for an interactive animated agent.

Sjölander K. Automatic alignment of phonetic segments.

**Conference on Empirical Methods in Natural Language Processing (EMNLP 2001). Carnegie Mellon University, Pittsburgh, PA, USA, June 3-4, 2001**

Megyesi, B. Comparing data-driven learning algorithms for PoS tagging of Swedish.

**141st Meeting of Acoustical Society of America. Chicago, June 4-8, 2001**

Nordqvist P & Dai H. Automatic classification of the telephone listening environment in a hearing aid.

**72. Kongress der deutschen Gesellschaft für Sprach- und Stimmheilkunde, Rostock, Germany, June 8-9, 2001**

Sundberg J. Genauigkeit beim Singing. (Invited paper).

Mürbe D, Pabst F, Hofmann G, Sundberg J. Zur Bedeutung des Hörens und der propriozeptiven Tonhöhenkontrolle für die Intonationsgenauigkeit beim Singen.

**4th International Speech Motor Conference, Nijmegen, June 13-16, 2001**

Engwall O. Considerations in intraoral visual speech synthesis: data and modeling.

**30th Annual Symposium: Care of the Professional Voice, Philadelphia, PA, USA, June 13-17, 2001**

Hertegård S, Granqvist S, Larsson H & Sundberg J. Simultaneous analysis of the glottal voice source by digital high-speed imaging and inverse filtering.

Sundberg J. Why is ugly ugly? A case study.  
Poster.

Sundberg J. Phonatory breathing, a tutorial.

Ternström S, Södersten M & Bohman M.  
Cancellation of simulated environmental noise  
as a tool for measuring vocal performance  
under ongoing load.

**XVIIIth Congress of the International  
Society of Biomechanics, Zürich, July 8 -13,  
2001**

Dahl S. Arm motion and striking force in  
drumming.

**International Conference on Auditory  
Display, Espoo, Finland, July 29 - Aug 1,  
2001**

Bresin R & Friberg A. Expressive musical icons.

**Oldenburg Summer School, Oldenburg, Aug.  
2001**

Leijon A. Estimation of auditory information  
transmission capacity using a hidden Markov  
model of speech stimuli.

**5th International Congress of Voice  
Teachers, Helsingfors, Finland, Aug 12-16,  
2001**

Sundberg J. Real-time biofeedback in voice  
training and therapy.

Ternström S & Karna DR. Choir acoustics.

**PEVOC IV, The 4th PanEuropean Voice  
Conference, Stockholm, Aug 23-26, 2001**

Birch P, Gümöes B, Karle A, Prytz S, Stavah H,  
Sundberg J. Effects of a velopharyngeal  
opening on the sound transfer characteristics  
of the vowel [a].

Granqvist S & Hertegård S. In vivo examination  
of resonances in the larynx using external  
acoustic excitation.

Granqvist S & Hertegård S. Fourier analysis of  
high-speed laryngoscopy, some applications.

Lindstad P-Å, Larsson H & Granqvist S. High-  
speed imaging of normal phonation: practical  
on-line demonstrations" (Workshop).

Mürbe D, Pabst F, Hofmann G & Sundberg J.  
Effects of training on auditory and  
proprioceptive feedback in singing – A  
longitudinal study of singers' pitch control.

Pabst F, Sundberg J, Ternström S. Phonation  
threshold pressure in normal subjects before  
and after voice stress test.

Ross J & Sundberg J. Syllable and tone  
boundaries in singing.

Schneider F, Mürbe D, Pabst F, Hofmann G,  
Sundberg J. Relation of X-ray-morphological  
measures of the upper airways to physiolo-  
gical properties of the singing voice in singing  
students.

Sundberg J. Sounds of singing. A matter of  
mode, style, accuracy, and beauty.

Szabo A, Hammarberg B, Södersten M &  
Granqvist S. Simultaneous recordings with a  
voice accumulator device and a DAT-recorder  
– Preschool teacher's voices at work.

Södersten M, Hammarberg B, Szabo A &  
Granqvist S. Mean fundamental frequency,  
sound pressure level, phonation time and  
background noise level during work for pre-  
school teachers with functional voice  
disorders.

**17th International Conference on Acoustics  
(ICA 01), Rome, Sept 2-7, 2001**

Askenfelt A. Organizer of a special session on  
"The acoustics, design and simulation of the  
piano".

Askenfelt A. Piano hammers - Motion during  
string contact and shank bending.

Jansson E, Niewczyk B & Frydén L. The BH-  
peak of the violin and its relation to con-  
struction and function.

**AAATE Conference 2001, 6th European  
Conference for the Advancement of Assistive  
Technology, Ljubljana, Slovenien, Sept 3-6,  
2001**

Spens K-E. The BeneFit Method; clinical  
evaluation of a new hearing aid fitting  
procedure.

**EUROSPEECH 2001, 7th European Confe-  
rence on Speech Communication and Tech-  
nology, Aalborg, Denmark, Sept 3-7, 2001**

Engwall O. Using linguopalatal contact patterns  
to tune a 3D-tongue model.

Engwall O. Making the tongue model talk:  
Merging MRI & EMA measurements.

Fant G, Kruckenberg A, Liljencrants J & Botinis  
A. Prominence correlates. A study of Swedish.

Gustafson K & House D. Fun or boring? A web-based evaluation of expressive synthesis for children.

Gustafson-Capkova S & Megyesi B. A comparative study of pauses in dialogues and read speech.

House D, Beskow J & Granström B. Timing and interaction of visual cues for prominence in audiovisual speech perception.

Karneböck S. Discrimination between speech and music based on a low frequency modulation feature.

Pakucs B. The speech enhanced word. (Poster – Imagination 2001, special event).

Pobloth H & Kleijn WB. Squared error as a measure of phase perception.

Seward A. Transducer optimizations in tight-coupled decoding.

Vicsi K, Roach P, Öster A-M, Kacic Z, Sfakianaki A, Veronik R, Barczikay P. A multilingual, multimodal, speech training system, SPECO.

**Conference on Recent Advances in Natural Language Processing, Euro Conference RANLP-2001, Tzigrav Chark, Bulgaria, Sept 5-7, 2001**

Megyesi B. Phrasal parsing by using data-driven PoS taggers. Session Chair. Received 'RANLP-2001 Young Researcher Award' for the paper.

**International Symposium on Musical Acoustics (ISMA 01), Musical Sounds from Past Millennia, Perugia, Italy, Sep. 10-14, 2001**

Askenfelt A & Guettler K: Bows and timbre - Myth or reality?

Dahl S. Arm motion and striking force in drumming.

Jansson E, Morset LH & Guettler K. Prediction of violin radiation properties in the 200-700 Hz range.

**5th EFAS Congress, Bordeaux, Sept 16-20, 2001**

Dahlquist M, Lutman ME, Wood S, Leijon A, Boudy J, Bächler H. Evaluation of a noise suppression algorithm applied to hearing instruments.

**International Computer Music Conference 2001, San Francisco: Intl Computer Music Association. La Habana, Cuba, Sept 17 - 22, 2001**

Bresin R. Articulation rules for automatic music performance.

**International workshop "Human Supervision and Control in Engineering and Music", Kassel, Germany, Sept 21-24, 2001**

Galembo A. Perception of musical instrument by performer and listener (with application to the piano). Invited lecture.

**4th Symposium on Science of Voice & Singing, Sydney, Oct 5-8, and in Melbourne, Oct 12-15, 2001**

Sundberg J. Breathing and support and their connection to the 'gold in the singer's throat'. Keynote lecture.

Sundberg J. Producing and shaping vocal sounds: Acoustics of the human voice.

**IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA'01), New Paltz, NY, USA, Oct 21-24, 2001**

Vafin R, Heusdens R, van de Par S & Kleijn WB. Improved modeling of audio signals by modifying transient locations.

**Prosody 2001: ISCA Tutorial and Research Workshop on Prosody in Speech Recognition and Understanding, Red Bank, NJ, Oct 22-24, 2001**

Heldner M. Spectral emphasis as an additional source of information in accent detection.

Megyesi B & Gustafson-Capkova S. Pausing and dialogues and read speech in Swedish: Speakers' production and listeners' interpretations.

**COST258 Meeting, Maastricht, The Netherlands, Nov 8-10, 2001**

Granström B, House D & Swerts M. Multimodal feedback cues in human-machine interactions.

**Workshop on Current Research Directions in Computer Music, Audiovisual Institute, Pompeu Fabra University, Barcelona, Nov 15-17, 2001**

Goebel W & Bresin R. Are computer-controlled pianos a reliable tool in music performance research? Recording and reproduction precision of a Yamaha Disklavier grand piano.

Schoonderwaldt E & Friberg A. Towards a rule-based model for violin vibrato. Poster.

Sundberg J, Friberg A & Bresin R. Music Performance Panel: Position statement of the KTH group.

Sundberg J, Friberg A, Mathews MV & Bennett G. Experiences of combining the radio baton with the director musices performance grammar.

**4th G-6 Conference on Digital Audio Effects (DAFX01), Limerick, Ireland, Dec 6-8, 2001**

Boccardi F & Drioli C. Sound morphing with Gaussian Mixture Models.

Bresin R, Friberg A & Dahl S. Toward a new model for sound control.

Dahl S & Bresin R. Is the player more influenced by the auditory than the tactile feedback from the instrument?

**International Workshop on Information Presentation and Natural Multimodal Dialogue (IPNMD-2001), Verona, Italy, Dec 14-15, 2001**

House D. Improving human-system communication with talking heads (Invited presentation).



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