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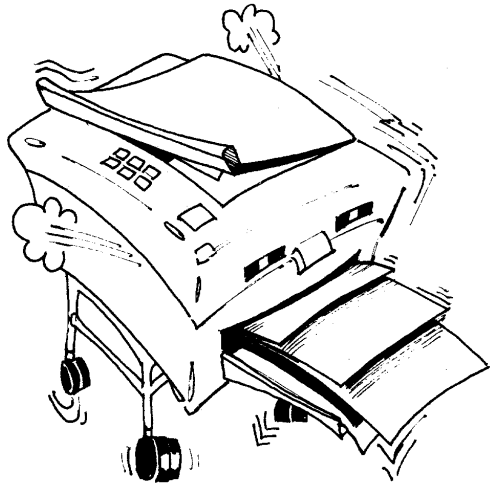
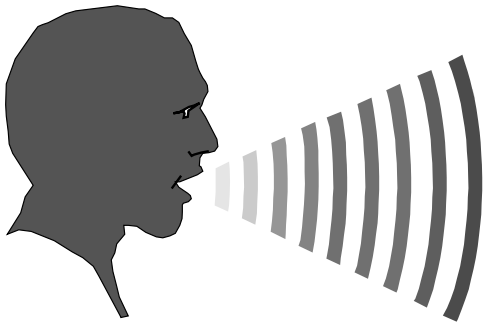


Speech Group



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Hohmann, Volker, Doctor
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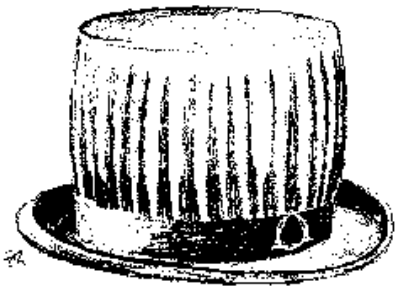

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Thomasson, E Monica
Vafin, Renat
Vos, Koen
Öster, Anne-Marie

Doctoral thesis

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

Licentiate theses

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

Granqvist S (2000*). Computer methods for perceptual, acoustic and laryngoscopic voice analysis*. 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 network*. 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*. 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*. 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*. January 2000, TMH, KTH, Stockholm. TRITA-TMH 1999:5, ISSN 1104-5787, ISRN KTH/TMH/FR--99/5--SE.

Master project students

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Nordstrand, Magnus
Olburs, Caroline
Perez, Javier
Rimbe, Andreas
Salin, Mikael
Skeppstedt, Maria
Soltan, Adam
Ånstrand, Mattias

Master projects completed in 2000

Aracena Kovacevic, Mauricio Andres: Reverse water-filling in wideband speech coding.

Bertrand, Frédéric: Application of digital waveguides in piano modelling: the influence of inharmonicity on pitch.

Bidault, Vincent: Just-noticeable differences of phase distortion in speech-like signals.

Bjurenstedt, Linda: Improving Prophet – the trials and tribulations of word prediction.

Delachanal, Christophe: Low bit rate high quality audio coding with combined harmonic and wavelet representations. User Manual.

Donselius, Richard: Concatenative text-to-speech synthesis using optimal coupling techniques.

Engdegård, Jonas: Signal processing for a real-time phonetograph.

Fahlstedt, Ellinor & Morell, Anja: Det sub-glottala tryckets inverkan på normalröstkällan vid konstant grundtonsfrekvens.

Gustafsson, Ylva: Hidden Markov Models with applications in speaker verification.

Hewitt, Joe: Improving Prophet – the trials and tribulations of word prediction.

Holm, Jacob: Multi-microphone conference systems - Changes in speech intelligibility as a function of the source-microphone distance.

Ihse, Magnus: Usability study of a speech controlled telephone banking system.

Jefremov, Andrei: Modeling the phase of the pitch cycle in harmonic coding of speech.

Kahlin, Daniel: Analysis and simulation of ensemble sounds.

Laksov, Joakim: Datadriven semantisk gruppering.

Lundahl, Karin: Swedish company names. A survey and an evaluation of rule-based automatic transcription.

Manzano, Paco: Single channel noise reduction techniques in speech enhancement.

Pain, Guillaume. Optimal coupling of diphones for concatenative text-to-speech systems.

Ribas Ripoll, Vicente: Signal processing for a text-to-speech synthesizer with waveform interpolation.

Roland, Julien: Swedish vowel quantity in L2 speakers – Evaluation by manual and automatic methods.

Skantze, Gabriel: Koordinering av refererande uttryck i multimodal människa-datordialog.

Skedinger, Carl: Implementation and evaluation of a real-time method for measurement of perceived audio quality.

Öhrn, Jonas: The PARDAC. A sound playback board for the computer parallel port.