SEMINARS AND CONFERENCES ARRANGED BY TMH

The seminars are held in either Swedish or English

TMH Series of Seminars

January

Om att bygga en gatuorgel
Johan Liljencrants

Breathing and phonation − Effects of lung volume and breathing behavior on voice function
Jenny Iwarsson *Doctoral dissertation*
Opponent: Robert E. Hillman, Harvard Medical School

Ljudkvalitet och användbarhet
Norman Gleiss

February

Reflexioner över fonetiken i talforskningen
Sven Öhman

Attention-based user interfaces
Prof Roel Vertegaal, Queens University, Canada

March

Rapport från "Swedia 2000"-projektet – experiment med semi-automatiska metoder för uppmärknin av inspelningarna.
Anders Eriksson, Johan Frid & Kåre Sjölander

Fokala accenter i svenska – mer än bara F0-rörelser?
Mattias Heldner

Betoningsmönster i svenska lexikaliserade fraser
Per Anders Jande *MSc project work*

April

Digitala delningsfilter och kanalinvertering
Mikael Bohman *MSc project work*

May

The bowed string – starting the Helmholtz motion
Knut Guettler *Licentiate seminar*
Opponent: professor Peter Erman, KTH

June

Hörstöd, fonemigenkänning för hörselskadade i telefonsamtal
Mathias Johansson *MSc project work*

Modalitetstransformer med tillämpningar i system för funktionshindrade
Gunnar Fagerberg, CTT och Hjälpmedelsinstitutet

Hur sammanfattas en text automatiskt av en dator?
Hercules Dalianis, NADA, KTH

Prosody and waveform generation in the SmartKom System
Antje Schweitzer & Edmilson Morais, University of Stuttgart and Sony

September

Design of a 3D sound system for headphones – ett examensarbete i elektroakustik
Lalya Gaye *MSc project work*

Rapporter från Eurospeech 01 och sensommarens andra konferenser
TMH Speech Group

October

Media technology research at KTH
Nils Enlund & Roger Wallis, Media Teknik, NADA, KTH

Estimation of sensory information transmission using a hidden Markov model of speech stimuli
Arne Leijon

Speaker verification based on speech encoder parameters
Javier García Torcelly *MSc project work*

November

Olika sätt att beskriva diskursstruktur - en genomgång av de vanligaste diskursteorierna
Sofia Gustafson-Čapková, Stockholms universitet

Development, analysis and implementation of a pitch tracker.
Leopold Roos *MSc project work*

”Se och hör vad jag säger.” Om interaktiv, multimodal kommunikation för hörselskadade personer
Birgit Cook & Robert Haneklou

Issues related to the communicative functions of facial displays - a literature review
Loredana Cerrato

Swedish prosody. A novel approach to analysis and synthesis
Gunnar Fant, Anita Kruckenberg & Kjell Gustafson

December

Corpus based approaches to classifying semantic information and building resources
Sara Rydin

Brusreduktion med hjälp av HMM och grundtonsestimering
Tobias Ljungkvist & Pål Brevik
MSc project work

Textoberoende talarverifiering med adapterade Gaussian-Mixture-modeller i GIVES
Daniel Neiberg *MSc project work*

Datadriven formantsyntes
Arvid Sjölander *MSc project work*

Text-till-tal-utvecklingen vid Rhetorical Systems
Matthew Aylett från Rhetorical Systems Ltd, Edinburgh

Special SPEECH Seminars

Bullet course - April

Prosody as a marker of information status
Marc Swerts, IPO Eindhoven, Holland

TMH Seminars in MUSIC Acoustics

March

Modeling violin vibrato
Erwin Schoonderwaldt, guest researcher from Nijmegen Inst for Cognition and Information

Trombonspelets mekanik
Gitte Ekdahl, Inst för mekanik, KTH

Expressive performance with flute
Roberto Dillon, guest researcher from Laboratory of Musical Informatics, DIST-University of Genova

April

Det rör sig i Genova
Sofia Dahl

May

Development of Helmholtz motion and related patterns in the bowed string
Knut Guettler *Licentiate seminar*
Opponent: Prof Peter Eman, Fysik, KTH

Melody lead in expressive piano performance
Werner Goebl, guest researcher from Austrian Research Inst for Artificial Intelligence

June

Violinens akustik: Frekvenssvar 200-700 Hz och bridgehill-toppens funktion.
Erik Jansson

August

Automatic extraction of tempo and beat from expressive musical performances.
Simon Dixon, Austrian Research Institute for Artificial Intelligence, Vienna

PEVOC IV,
the 4th Pan European Voice Conference, Stockholm, August 26-29, 2001, an international conference arranged together with Departments of Speech, Music and Hearing, KTH; Logopedics & Phoniatrics at Huddinge University, Karolinska Institute; and Linguistics at Stockholm University.

October

Time-frequency representation of sound modelling and transformation
Carlo Drioli, guest researcher from University of Padua, Italy

November

Rapport från 17th ICA, Rome och ISMA2001, Perugia, Italien
Anders Askenfelt & Erik Jansson

Finite Element Modelling and synthesis of guitar tones
Eduardo Gonzalez, NADA and TMH

Seminars on the Singing Voice

January

Breathing and phonation - Effects of lung volume and breathing behavior on voice function.
Jenny Iwarsson *Doctoral dissertation*
Opponent: professor Robert Hillman, USA

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