

Seminars and Conferences Arranged by TMH

(The seminars are held in either Swedish or English).



JANUARY

3-D image enhancement and movement estimation in confocal microscopy of the inner ear
Jacques Boutet de Monvel, Institutet för Hörsel och Kommunikation (IHK), Karolinska Institutet

Vidareutveckling av transkriptionsverktyg och konfidensmåtsstudie på ordnivå
Karin Karlsson MSc project work performed at IcePeak AB

Ett gestbibliotek till en animerad talande agent
Magnus Nordstrand MSc project work

Svensk talsyntes med Festival
Maria Skeppsstedt MSc project work performed at Voxi AB

FEBRUARY

Parsning av svenska med datadrivna metoder
Beáta Megyesi

Hörstöd – fonemigenkänning som kommunikationshjälpmedel för hörselskadade vid telefonering
Mathias Johansson MSc project work

Linguistic structures to aid symbol users in composing email messages
Sheri Hunnicutt

MARCH

Norm and praxis of the pronunciation of Standard Dutch – a segmental and prosodic example
Marc Swerts

Hur amplitudmodulering påverkar perceptuell fusion av brus och komplexa toner
Pär Johansson MSc project work

APRIL

Felhantering i dialogsystem – en litteraturstudie
Gabriel Skantzé

En central telefonitjänst för talaradaptation med lagring och nedladdning till olika applikationer
Henrik Söderqvist MSc project work

Konfidensmått i taligenkänning
R Franzén & A Asp MSc project work

Nobuaki Minematsu, University of Tokyo: Introduction to some projects at the Department of Information and Communication, Univ of Tokyo

1. Corpus-based analysis of English speech spoken by Japanese students.
2. Adaptation of acoustic models to non-native speech based upon automatic estimation of pronunciation proficiency of the speaker.
3. Automatic estimation of speakers' age based upon speaker recognition techniques.
4. Visualization of accentual habits of Japanese learners of English based upon abstract and integrated representation of speech acoustics.

SPEAK UP, PLEASE! A progress report from the project "Voice loading and speech intelligibility in different workplace environments" – FAS
Mikael Bohman, Maria Södersten & Sten Ternström

Short course: Steven Greenberg, International Computer Science Institute, Berkeley

1. What are the essential cues for understanding spoken language?
2. Automatic phonetic and prosodic annotation of spoken language.
3. Beyond the phoneme: A juncture-accent model of spoken language.

MAY

Användargränssnitt för Synface-projektet
Klara Ward *MSc project work*

Ett textbaserat telefonhjälpmedel för
hörselskadade
Martin Swahn *MSc project work*

A measurement method for auditory spectro-
temporal pattern discrimination
Anders Johansson *MSc project work*

Short course:

Mehryar Mohri, AT&T Labs – Research

1. Weighted Automata Algorithms
2. Finite-State Machine Library (FSM Library)
3. Speech Recognition Applications

*Gitte Keidser, National Acoustic Laboratory,
Sydney.*

Fitting non-linear hearing aids: which rationale
and how many channels?

JUNE-JULY

Ett stavelseindelingsverktyg för
informationssökning i svenska taldata-baser
Erik Leinonen *MSc project work*

Utveckling och utvärdering av ett VoiceXML-
baserat röstgränssnitt för en automatisk
receptionist
Damra Muminovic *MSc project work*

Rapport från NIST speaker recognition
evaluation workshop 2002
Håkan Melin & Daniel Neiberg

Tongue Talking - Studies in Intraoral Speech
Synthesis
Olov Engwall *PhD dissertation*

The sensorimotor control of speech production
Joseph Perkell, MIT

Reserapport från ASA-mötet i Pittsburgh samt
från det årliga röstmötet i Philadelphia
Sten Ternström

Measuring subglottal pressure during phonation
with a new miniature fiberoptic transducer
Charlotte Dumard *MSc project work*

Statistical Machine Translation at RALI.
Possible applications to Second Language
Acquisition
Philippe Langlais, Université de Montréal

AUGUST-SEPTEMBER

Overview of the activities at the Department of
Speech Communication and Voice Research,
University of Tampere
Anne-Maria Laukkanen

Laryngeal adjustment and voice source of throat
singing
*Ken-Ichi Sakakibara, NTT Communication
Science Laboratories, Japan*

Datadrivna metoder för parametersyntes,
beskrivning av ett system och experiment med
CART-analys
Tor Sigvardson *MSc project work*

OCTOBER

Ett försök att utvärdera det multimodala
konverserande dialogsystemet AdApt med
PARADISE, ett generellt ramverk för
evaluering
Anna Hjalmarsson *MSc project work*

Textberoende talarverifiering med
talaradapterade neurala nätverk
Johan Olsson *MSc project work*

Dynamisk generering av rynkor i ett virtuellt
ansikte
Mikael Nordenberg *MSc project work*

Brief overview of current research at the Dept of
Electronics, University of York, followed by
specific aspects of his work on room acoustics
modelling.
*Damian Morphy, PhD, University of York, guest
lecturer in the new undergraduate course Audio
Technology*

Sound models developed in the EU-1st Sounding Object project (Sob). Rolling balls, breaking bars and Irish drums.

Matthias Rath, Dept of Informatics, University of Verona, Italy

NOVEMBER

Assessment of writing difficulties and evaluation of computerized writing support

*Tina Magnuson Licentiate thesis
Faculty opponent: Elisabeth Ahlsén, Göteborg*

Use of lexical prosody in speech recognition

*Nobuaki Minematsu, gästforskare från
Graduate School of Information Science and
Technology, University of Tokyo*

Acoustical and perceptual study of belting voice production

Nathalie Henrich

Data-Driven Syntactic Analysis Methods and Applications for Swedish.

*Beáta Megyesi PhD dissertation
Faculty opponent: Thorsten Brants, Xerox, Palo
Alto Research Center (PARC)*

DECEMBER

Design and implementation of a multi-purpose computer-based visual feedback in speech therapy

Athanassios Hatzis, University of Sheffield

En metod för automatisk segmentering av tal

Kåre Sjölander

Developing Multimodal Spoken Dialogue Systems – used in studies of spoken human-computer interactions.

*Joakim Gustafson PhD dissertation
Faculty opponent: Julia Hirschberg, Columbia
Univ, New York.*

