

Seminars and Conferences Arranged by TMH



January

Taligenkänning för besiktningsmän vid AB
Svensk Bilprovning

Per Gyllensvärd MSc project work

Perception of drift in tempo, an examination of
internal drift and just-noticeable-difference
(JND)

Sofia Dahl & Svante Granqvist

Flaskhalsar i Synface-telefonen

Erik Pihl MSc project work

February

Storvokabulärsigenkänning med Weighted
Finite-State Transducers

Alec Seward

En empirisk studie av felhantering i talad
dialog

Gabriel Skantze

Röststyrt gränssnitt för planering inom
ortopedisk kirurgi

– ett examensarbete inom EU-projektet

Multisense

Gunilla Svanfeldt MSc project work

Övning och diskussioner kring diverse
spektrogram

Inger Karlsson

Aspects of tonal alignment in the perception of
tone and intonation

David House

March

Designing for and studying affective
interaction

*Kristina Höök, SICS (Swedish Institute of
Computer Science)*

Experiment med asynkroni i multimodal
talkommunikation

Marie Molander MSc project work

Prediktion av frasgränser

*Rolf Carlson, Mattias Heldner,
Beata Megyesi*

Ljuddesign i rumsmetaforbaserade talgräns-
snitt

Daniel Skantze MSc project work

Computer methods for voice analysis

Svante Granqvist PhD dissertation

*Faculty opponent: Professor Paavo Alku,
Helsinki University of Technology, Finland*

April

Radical user-interfaces for real-time musical
control: the importance of mapping strategies
in electronic musical instrument design

Andy Hunt, University of York

Adaptiv filtrering av bullrig omgivningsmiljö,
en klinisk implementation

Clas Johansson MSc project work

Clinical test methods for spectrotemporal
discrimination in cochlear implant users

Claes Björnemo MSc project work

Model prediction of spectrotemporal discrimi-
nation in cochlear implant users

Andreas Richter MSc project work

Olika taligenkänningssystemens känslighet för
störningar

Magnus Andersson MSc project work

Relationship between x-ray morphological
measures of the upper airways and
physiological properties of the singing voice in
singing students

*Friederike Roers, Marie Curie Fellow,
Technische Universität Dresden*

Forskare och funktionshindrade om
talteknologi vid synskada och läshandikapp –
en diskussion och erfarenheter från en
workshop

*Margita Lundman (inledare), Rolf Carlson,
Kjell Elenius*

May - June

Talarverifiering med användning av ”support vector machines”

Tony Lindblom MSc project work

Striking movements: movement strategies and expression in percussive playing

Sofia Dahl Licentiate thesis

Faculty opponent: Alf Gabrielsson, Inst för psykologi, Uppsala Universitet

Överföring av en svensk talstyrd mp3-spelare till spanska och tyska

Fia Rosenberg MSc project work

From Air to Aria: Relevance of respiratory behaviour to voice function in classical western vocal art

Monica Thomasson PhD dissertation

Faculty opponent: Katherine Verdolini, University of Pittsburgh

Dialektbaserad klustring för svensk taligenkänning

Gustaf Sjöberg MSc project work

Expressive transformations of audio using spectral modeling, melodic description and rules for music performance.

Emilia Gómez, Marie Curie Fellow, Music Technology Group, (UPF), Barcelona

Rapport från ISCA Tutorial and Research Workshop on Auditory Quality of Systems

Martin Dahlquist

Additiv syntes av toner, med generella styckvis linjära tids- och frekvensenvelopper

Samuel Terling MSc project work

ATLAS talsyntesbrygga med (J)SAPI-stöd, testad med BrightSpeech

Stefan Lundgren

Expressive Conversational Agent

Catherine Pelachaud,

IUT Montreuil - University of Paris

Talking heads – models and applications for multimodal speech synthesis

Jonas Beskow PhD dissertation

Faculty opponent: Catherine Pelachaud, IUT Montreuil - University of Paris

DSP applications for music and singing voice in the MTG: time-scale, object processing, karaoke, singing voice synthesis and real-time singing voice transformations

Jordi Bonada Music Technology Group (UPF), Barcelona

Short course: Alex Waibel, Univ Karlsruhe and CMU

1. CHIL Computing to Overcome Techno-Clutter

2. Communicating in a Multilingual World

Phonetic Tree Analysis

Nobuaki Minematsu

Guest researcher from Graduate School of Information Science and Technology, University of Tokyo

August–September

Voice symptoms and vocal loading in telephone call centre operators

Laura Lehto, Marie Curie Fellow, Helsinki University of Technology

Utveckling av ett kommunikationshjälpmedel, HörStöd, till bärbar dator

Janne Angelidis MSc project work

Överföring av en svensk talstyrd mp3-spelare till spanska och tyska

Fia Rosenberg MSc project work

Mätning av psykoakustisk informationsöverföringstakt

Svante Stadler MSc project work

Om mikrofoner och inspelningsrum - vad behöver en forskare tänka på?

Svante Granqvist

Musical articulation in the organ – measurements and models

Jesper Jerkert MSc project work

Pitch shift reaction times in choir singers

Anke Grell, Marie Curie Fellow, Hannover University

Artikulatorisk analys av svenska visem

Lotta Engström MSc project work

October

Predicering av prosodiska frasgränser för talsyntes

Christina Ericsson MSc project work

Linguistic adaptations in spoken

human-computer dialogues – empirical studies of user behavior

Linda Bell

PhD dissertation Faculty opponent: Peter Heeman, Oregon Health & Science University

From Sundin to Stradivarius – physics of the violin

Erik Jansson

November

Everyday contact scenarios: Hitting, Sliding, Rolling... – Development and access of realtime sound models.

Also, report from the 6th International Conference on Digital Audio Effects, DAFX-03, London

Matthias Rath, Marie Curie Fellow, University of Verona

Ljudaktivitet – detektion i offentliga miljöer
Boris Lukic MSc project work

Russian word prediction with morphological support

Sheri Hunnicutt and Lela Nozadze

Analysis of feedback phenomena across modalities and languages

Loredana Cerrato

Hidden Markov-modeller för talsyntes

Anna Sandell

December

Voice analysis of emotional speech

Emmanuel Touboul MSc project work

Röststyrt gränssnitt för omgivningskontroll – test, analys och konstruktion av ett trådlöst system

Malin Bjurling MSc project work

The voice source in speech communication – production and perception experiments involving inverse filtering and synthesis.

Christer Gobl PhD dissertation

Faculty opponent: Paavo Alku, Helsinki University of Technology

Formant extraction and concatenative synthesis

Romain Vinet & David Öhlin

MSc project work

Efficient methods for automatic speech recognition

Alexander Seward PhD dissertation

Faculty opponent: Torbjörn Svendsen, Norwegian University of Science & Technology, Trondheim

Material type from sound: a study in sound source recognition

Bruno L. Giordano, Marie Curie Fellow, University of Padova, Italy

