

Pre-conference programme

Sunday, June 18

09.00 – 16.00 Registration (Marmorfoajén) and pre-conference, Linköping
Konsert & Kongress.

09.00 – 09.30 Technical/practical information for pre-conference speakers
(Musikalen).

09.55 – 10.00 Welcome to CHSCOM2017 pre-conference: **Mary Rudner**
(Musikalen).

10.00 – 12.00 Pre-conference session 1. Moderators:

10.00 – 10.20 The neural struggles of hearing loss: How compensated hearing
loss affects cognitive speech processing. **Eline Borch Petersen**

10.20 – 10.40 The search for neural correlates of speech perception difficulties
across the adult lifespan. **Tine Goossens**

10.40 – 11.00 The cognitive functions of older cochlear implant recipients: a
cross-sectional study using the Repeatable Battery for the
Assessment of Neuropsychological Status for Hearing impaired
individuals (RBANS-H). **Annes J. Claes**

11.00 – 11.20 COFFEE BREAK (Galleri K)

11.20 – 11.40 Does the Auditory Environment of Children with Cochlear Implant
Influence Their Language Development?. **Tobias Busch**

11.40 – 12.00 Selective attention difficulties in school-aged children with
listening difficulties. **Hannah J. Stewart**

12.00 – 13.00 LUNCH (Garden)

13.00 – 16.00 Pre-conference session 2. Moderators:

13.00 – 13.20 The effect of noise and second language on turn taking in
task-oriented dialog. **Anna Josefine Sørensen**

13.20 – 13.40 Deficits in Attention Affect Speech in Noise Processing: A Pilot
Study. **Rina Blomberg**

13.40 – 14.00 Speech recognition in noise and listening effort – The role of
working memory capacity and inhibitory control. **Victoria Stenbäck**

14.00 – 14.20 COFFEE BREAK (Galleri K)

- 14.20 – 14.40 Effects of age and multiple talking faces on the visual speech advantage. **Julie Beadle**
- 14.40 – 15.00 Qualitative data supporting the FUEL: Perceived listening effort in cochlear implantation. **Sarah Hughes**
- 15.00 – 16.00 COFFEE BREAK (Marmorfoajén)

Conference programme

Sunday, June 18

- 09.00 – 16.00 Registration (Marmorfoajén) and pre-conference, Linköping Konsert & Kongress.
- 16.00 – 16.05 Welcome to CHSCOM2017: **Bengt Westerberg**, Main moderator and chair of the Swedish Institute for Disability Research (Crusellhallen).
- 16.05 – 16.20 Welcome to Linköping and to the complex world of Audiology: **Stig Arlinger**, Professor Emeritus, Linköping University.
- 16.20 – 16.25 General information CHSCOM2017: **Bengt Westerberg**, Main moderator.
- 16.25 – 16.35 Introduction to Cognitive Hearing Science: **Jerker Rönnerberg**, Chair of the scientific committee and director of Linnaeus Centre HEAD.

Introductory keynotes

- 16.35 – 17.05 **Velia Cardin**. Deafness and cortical plasticity in the human brain.
- 17.05 – 17.35 **Bruce Schneider**. How older adults achieve speech comprehension in challenging listening situations.
- 18.00 – RECEPTION (Marmorfoaljen)

Monday, June 19

- 07.30 – 08.30 Technical/practical information for speakers (Crusellhallen)
- 08.30 – 08.35 Welcome and general information: **Bengt Westerberg**, Main moderator (Crusellhallen)
- Session moderator: **N N**

Theme: Communication in challenging conditions

- 08.35 – 09.00 Keynote: **Kathryn Arehart**. Quantifying the relationship between listener response and amount of hearing aid signal processing.

- 09.00 – 09.20 Learning about speaker idiosyncrasies in visual speech.
Alexandra Jesse
- 09.20 – 09.40 Competing talkers, attention and cognitive load. **Hartmut Meister**
- 09.40 – 10.00 Determinants of listening effort and their effects on sympathetic and parasympathetic activity. **Michael Richter**
- 10.00 – 10.30 COFFEE BREAK (Marmorfoajén)
- 10.30 – 10.50 Keynote: **Antje Heinrich**. On the (differential) influence of cognition for speech intelligibility in a range of listening situations.
- 10.50 – 11.10 Ten years of measuring Text Reception Thresholds: What are we actually measuring? **Adriana Zekveld**
- 11.10 – 12.15 Poster session for even poster numbers (Marmorfoajén)
- 12.15 – 13.15 LUNCH (Garden)
Session moderator: **N N**
- 13.15 – 14.05 Investigating memory for tones and speech in noise performance in hearing impaired listeners. **Maja Serman**
- 14.05 – 14.25 Effects of noise, accented speech, and language experience on speech understanding and listening effort. **Jens Schmidtke**
- 14.25 – 14.45 Effect of Degraded Auditory Input on Memory Span Using Cochlear Implant Simulations in Normal-Hearing Listeners. **Jasenia Hartman**
- 14.45 – 15.05 COFFEE BREAK (Marmorfoajén)
- 15.05 – 15.25 Adult aging affects the balance between linguistic context and response competition in speech recognition by cochlear Implant users. **Art Wingfield**
- 15.25 – 15.45 How conversation behaviour changes with increasingly challenging listening conditions in people with normal and impaired hearing. **Gitte Keidser**
- 15.45– 17.00 Poster session for even poster numbers (Marmorfoajén)
- 18.15– SOCIAL ACTIVITY – DINNER (Marmorfoajén/Backstage)

Tuesday, June 20

- 07.30 – 08.30 Technical/practical information for speakers (Crusellhallen)
- 08.30 – 08.35 Welcome and general information: **Bengt Westerberg**,

Main moderator (Crusellhallen)

Session moderator: **N N**

Theme: Brain Plasticity

08.35 – 09.00 Keynote: **Stephen G. Lomber**. Auditory Cortex Plasticity Following Hearing Loss and Restoration

09.00 – 09.20 The New Early Filter Model. **Tom Campbell**

09.20 – 09.40 What we know about the pupil dilation response related to speech processing in noise. **Thomas Koelewijn**

09.40 – 10.00 Studying natural speech processing at the phonemic level using EEG. **Ed Lalor**

10.00 – 10.30 COFFEE BREAK (Marmorfoajén)

10.30 – 10.50 How do gestures influence spoken language comprehension: Insights from brain and behavior. **Asli Ozyurek**

10.50 – 11.10 Functional hearing loss is associated with cerebral grey matter loss: neuroimaging evidence from over 5000 individuals included in the UK Biobank resource. **Mary Rudner**

11.10 – 12.15 Poster session for odd poster numbers (Marmorfoajén)

12.15 – 13.15 LUNCH (Garden)

13.15 – 13.35 Impact of Hearing Loss on Brain and Cognition in Older Adults. **Fatima T Husain**

13.35 – 13.55 Can our eyes hear? Characterizing speech processing through pupil dilation and eye movements. **Dorothea Wendt**

13.55 – 14.15 Temporal fine structure processing in older adults: beyond the syllable boundary. **Ira Kurthen**

14.15 – 14.45 COFFEE BREAK (Marmorfoajén)

Session moderator: **N N**

Theme: Translational cognitive hearing science

14.45 – 15.05 Keynote: **Harvey Dillon**. Relationships between auditory processing disorders, reading deficits and cortical oscillations.

15.05 – 15.25 Assessment of listening effort and speech understanding in every-day life. **Inga Holube**

15.25 – 15.45 Listening comprehension and effort in class-rooms with dysphonic teachers and background babble noise. **Birgitta Sahlén**

- 15.45 – 16.05 Child-directed interactions can enhance early language and cognitive development in children with hearing impairment: the roles of speech, music, and play. **Tonya Bergeson-Dana**
- 16.05 – 16.25 How does background babble noise affect the course of new word learning in toddlers? **Meital Avivi-Reich**
- 16.25 – 16.55 What is the Value of Normality in Identifying Deficit? A Universal Marker for Dyslexia in Deaf and Hearing children. **Abi Roper**
- 16.55 – 17.45 Poster session for odd poster numbers (Marmorfoajén)
- 18.30 – 19.00 Refreshments (Garden)
- 19.00 CONFERENCE DINNER – ENTERTAINMENT (Garden)

Wednesday, June 21

- 07.30 – 08.30 Technical/practical information for speakers (Crusellhallen).
- 08.30 – 08.35 Welcome and general information: **Bengt Westerberg**,
Main moderator (Crusellhallen).
Session moderator: **N N**
- 08.35 – 09.00 Keynote: **Astrid van Wieringen**. Improving communication in children with unilateral to profound hearing impairment with a cochlear implant.
- 09.00 – 09.20 Understanding speech via a cochlear implant: the role of predictive and automatic processing. **Anita Wagner**
- 09.20 – 09.50 COFFEE BREAK (Marmorfoajén)
- 09.50 – 10.15 Towards unobtrusive, wearable EEG. **Stefan Debener**
- 10.15 – 10.35 Deafness-related deficits in temporal attention: hearing loss or linguistic deprivation? **Matthew William Dye**
- 10.35 – 11.00 BREAK
- 11.00 – 11.20 Impact of hearing loss, hearing aids use in aging: Results from a population-based study. **Hélène Amieva**
- 11.20 – 11.40 The consideration of hearing, vision, and cognition in the Canadian Consortium on Neurodegeneration in Aging (CCNA). **Natalie Phillips**
- 11.40 – 12.00 Linking sensory and cognitive aging: The influence of social factors. **Margaret Kathleen Pichora-Fuller**
- 12.00 – 12.10 Thanks and summary: **Bengt Westerberg** and **Jerker Rönnberg**
- 12.10 LUNCH-TO-GO (Marmorfoajén)