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: Rina Blomberg, Victoria Stenbäck and Heléne Hjertman

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 Cognitive and auditory factors underlying the ability to understand speech in noise: clinical implications for diagnosis and rehabilitation. Ingrid Yeend

12.00 – 13.00 LUNCH (Verdefoajén)

13.00 – 16.00 Pre-conference session 2. Moderators: Lisa Palmqvist, Michaela Socher and Eline Borch Petersen

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


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.


16.25 – 16.35 Introduction to Cognitive Hearing Science: **Jerker Rönnberg**, Chair of the scientific committee and Director of Linnaeus Centre HEAD.

**Introductory keynotes**

16.35 – 17.05 **Kathryn Arehart**. Quantifying the relationship between listener response and amount of hearing aid signal processing.

17.05 – 17.35 **Bruce Schneider**. How older adults achieve speech comprehension in challenging listening situations.

18.00 – RECEPTION (Marmorfoajén)
**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)

**Theme: Communication in Challenging Conditions**
Session moderator: **Henrik Danielsson**

08.35 – 09.00 Keynote: **Antje Heinrich**. On the (differential) influence of cognition for speech intelligibility in a range of listening situations.

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 Ten years of measuring Text Reception Thresholds: What are we actually measuring? **Adriana Zekveld**

10.50 – 11.10 Investigating memory for tones and speech in noise performance in hearing impaired listeners. **Maja Serman**

11.10 – 12.15 Poster session for posters with even numbers (Marmorfoajén)

12.15 – 13.15 LUNCH (Garden)

Session moderator: **Carine Signoret**

13.15 – 13.35 Effects of noise, accented speech, and language experience on speech understanding and listening effort. **Jens Schmidtke**


13.55 – 14.15 Adult aging affects the balance between linguistic context and response competition in speech recognition by cochlear Implant users. **Art Wingfield**

14.15 – 14.45 COFFEE BREAK (Marmorfoajén)

14.45 – 15.05 How conversation behaviour changes with increasingly challenging listening conditions in people with normal and impaired hearing. **Gitte Keidser**
15.05 – 15.25 About the impact of hearing impairment on processing effort and the benefit of hearing aid signal processing. **Dorothea Wendt**

15.25– 17.00 Poster session for posters with even numbers (Marmorfoajén)

18.30 – SOCIAL ACTIVITY – DINNER (Marmorfoajén/Backstage)

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**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)

**Theme: Brain Plasticity**

  Session moderator: **Stefan Stenfelt**

08.35 – 09.00 Keynote: **Stephen G. Lomber**. Crossmodal plasticity in auditory cortex following deafness: vocalization processing cortex in the hearing becomes a face processing region in the deaf.

09.00 – 09.20 A distorted representation of sound is important for speech encoding. **Anders Fridberger**

09.20 – 09.40 The new early filter model. **Tom Campbell**

09.40 – 10.00 What we know about the pupil dilation response related to speech processing in noise. **Thomas Koelewijn**

10.00 – 10.30 COFFEE BREAK (Marmorfoajén)

10.30 – 10.50 EEG indices of speech and auditory object processing and how they are affected by attention. **Ed Lalor**

10.50 – 11.10 The role of gestures in spoken language comprehension: insights from brain and behavior. **Asli Ozyurek**

11.10 – 12.15 Poster session for posters with odd numbers (Marmorfoajén)

12.15 – 13.15 LUNCH (Garden)


13.40 – 14.00 Functional hearing loss is associated with cerebral grey matter loss: neuroimaging evidence from over 5000 individuals included in the UK Biobank resource. **Mary Rudner**
14.00 – 14.20 Impact of hearing loss on brain and cognition in older adults. 
   **Fatima T Husain**

14.20 – 14.40 Deafness-related deficits in temporal attention: hearing loss or linguistic deprivation? **Matthew William Dye**

14.40 – 15.10 COFFEE BREAK (Marmorfoajén)

**Theme: Translational Cognitive Hearing Science**  
Session moderator: **Rachel Ellis**

15.10 – 15.35 Keynote: **Harvey Dillon.** Auditory processing disorders, reading deficits and dichotic perception.

15.35 – 15.55 Listening comprehension and effort in class-rooms with dysphonic teachers and background babble noise. **Birgitta Sahlén**

15.55 – 16.15 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**

16.15 – 17.30 Poster session for posters with odd 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: **Björn Lyxell**

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 – 09.40 Assessment of listening effort and speech understanding in every-day life. **Inga Holube**
09.40 – 10.00 Temporal fine structure processing in older adults: beyond the syllable boundary. Ira Kurthen

10.00 – 10.30 COFFEE BREAK (Marmorfoajén)

10.30 – 10.50 Impact of hearing loss, hearing aids use in aging: Results from a population-based study. Hélène Amieva

10.50 – 11.10 The consideration of hearing, vision, and cognition in the Canadian Consortium on Neurodegeneration in Aging (CCNA). Natalie Phillips

11.10 – 11.30 Linking sensory and cognitive aging: The influence of social factors. Margaret Kathleen Pichora-Fuller

11.30 – 11.50 Thanks and summary: Bengt Westerberg and Jerker Rönnberg

11.50 LUNCH-TO-GO (Marmorfoajén)