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From Hearing to Understanding

An interdisciplinary workshop on the interaction of auditory and language processes

(Dr. Hanin Karawani & Prof. Dr. Esther Ruigendijk, Organizers)

(Prof. Dr. Marcel Schlechtweg & Prof. Dr. Hadil Karawani, Program Committee)



Schlaues Haus Oldenburg, Schlossplatz 16, 26122 Oldenburg

May 31, 2024 | June 1, 2024

| Time | Talker | Title | May 31, 2024 9:30-17:30 |
|-------------|---|--|---------------------------|
| 9:30-9:50 | | Welcome coffee and chat | |
| | Hanin Karawani & Esther Ruigendijk | Opening remarks | |
| | | (Chair: Hanin Karawani) | |
| 10:00-11:00 | Keynote Jerker Rönnerberg | Cognitive hearing science viewed through the lens of the ELU model | |
| 11:00-11:30 | Juliet Hondtong , Lisa Bank, Annemiek Hammer | How does audiovisual speech perception affects listening effort in children with normal hearing? | |
| 11:30-12:00 | Pascale Sandmann , Anna Weglage, Hartmut Meister, Ruth Lang-Roth, Martin Walgerd, Verena Müller | Effects of auditory deprivation and cochlear implantation on cortical speech processing: A prospective longitudinal EEG study | |
| 12:00-12:30 | Brilliant , Irina Schierholz, Pascale Sandmann, Andrej Kral | Cortical alpha as signature of auditory cognitive processing in cochlear implant users | |
| 12:30-13:30 | | Lunch and chat | |
| | | (Chair: Marcel Schlechtweg) | |
| 13:30-14:00 | Bénédicte Grandon , Esther Ruigendijk | Can phonological information and individual factors explain the variability in lexical processing in children with Hearing Loss? | |
| 14:00-14:30 | Karen Banai | Fast speech intelligibility in listeners with hearing loss: Hearing, learning and some of the rest | |
| 14:30-15:00 | Thomas Koelewijn , Ada Biçer, Deniz Başkent | The effect of voice cue differences and voice training on speech perception and listening effort | |
| 15:00-15:30 | Eleanor Harding , Etienne Gaudrain, Robert Harris, Barbara Tillmann, Bert Maat, Rolien Free, Deniz Başkent | Vocal emotion perception is associated with voice cue discrimination in adult cochlear implant users | |
| 15:30-16:00 | | Coffee and chat | |
| | | (Chair: Hadil Karawani) | |
| 16:00-16:30 | Laura Tuschen , Bernd Meyer | Automatic speech intelligibility measurements to classify the severity of speech and voice disorders | |
| 16:30-17:00 | Leigh Fernandez , Muzna Shehzad, Lauren Hadley | Hearing loss and listening effort delay semantic prediction: An eye-tracking study | |
| 17:00-17:30 | Kristin Sprenger, Thomas Brand | Modelling context processing during sentence recognition in noise and reverberation for listeners with and without hearing loss | |
| 19:00 | | Get together dinner (prior registration needed) | |

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| Time | Talker | Title | June 1, 2024 9:30-14:30 |
|-------------|---|--|---------------------------|
| | | (Chair: Esther Ruigendijk) | |
| 9:30-10:30 | Keynote Odette Scharenborg | Why listening in background noise is harder in a non-native language than in a native language | |
| 10:30-11:00 | Eleanor Harding , Deniz Başkent, Bert Maat, Merel Keijzer | Language learning and musical activities in older adults with hearing loss: assessing their cumulative effect on cognitive and psychosocial health | |
| 11:30-12:00 | | Coffee and chat (Chair: Bénédicte Grandon) | |
| 12:00-12:30 | Katharina Schuhmann , Esther Ruigendijk, Bénédicte Grandon | Processing of nominal plural suffixes by L1 and beginner-level L2 German listeners | |
| 12:30-13:00 | Marcel Schlechtweg | Perception of spoken language in noise: The role of paradigmatic and syntagmatic information | |
| 13:00-13:30 | Alina Ernst , Viviane van Dienenhoven-Rasumow, Laura Tuschen | Introducing an automatic speech screening for children with hearing impairment | |
| | Hanin Karawani & Esther Ruigendijk | Concluding remarks | |
| 13:30-14:30 | | Lunch and Goodbye | |



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