## Preliminary Agenda

**Thursday, 02.11.2023  09:00 – 18:30**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30 – 09:00</td>
<td>Arrival and registration</td>
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<tr>
<td>09:00 – 09:20</td>
<td>Welcome and Introduction (Birger Kollmeier, Thomas Lenarz)</td>
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| 09:20 – 12:10  | **Research Thread II: IT-based diagnostics and rehabilitation**
|                | (Büchner, Kollmeier, Docto)                                                                    |
| 09:20 – 09:50  | Josef Chalupper - **Keynote talk II-1**
|                | Finding the Self-Clinician-Balance: Hybrid Care of CI recipients                                |
| 09:50 – 10:20  | Adele Diederich - **Keynote talk II-2**
|                | Models of cognitive processing with relation to audiology                                       |
| 10:20 – 10:50  | **Coffee Break**                                                                               |
| 10:50 – 11:10  | **Overview and Highlights from Research Thread II**
|                | (including Poster Overview)                                                                    |
| 11:10 – 11:30  | Alexey Demyanchuk – **RT Highlight Talk II.1**
|                | Outcome Prediction in CI using Machine Learning                                                |
| 11:30 – 11:50  | Anna Warzybok-Oetjen – **RT Highlight Talk II.2**
|                | Matrix sentence tests: international application in diagnostics and research                    |
| 11:50 – 12:10  | Antje Wulff – **RT Highlight Talk II.3**
|                | Towards Interoperable and FAIR Datasets in Audiology                                             |
| 12:10 – 13:10  | **Lunch Break**                                                                                 |
| 13:10 – 13:40  | TRC Highlight Talk                                                                             |
|                | **Jörg-Hendrik Bach**                                                                           |
|                | ACALES - subjective listening effort scaling from basic research to viable product              |
| 13:40 – 16:30  | **Research Thread I: Auditory processing deficits throughout the lifespan**
|                | (Thiel, Kral, Klump)                                                                            |
| 13:40 – 14:10  | Anja Hahne - **Keynote talk I-1**
|                | Objective measurement of semantic learning processes in cochlear implant users:
|                | Evidence from longitudinal N400 studies in adults and young children                            |
| 14:10 – 14:30  | **Overview and Highlights from Research Thread I**
|                | (including Poster Overview)                                                                    |
| 14:30 – 14:50  | Go Ashida – **RT Highlight Talk I.1**
|                | Simulating the mammalian sound localization circuit - from auditory nerves to the superior olive|
| 14:50 – 15:10  | Andrej Kral – **RT Highlight Talk I.2**
|                | Crossmodal Plasticity in Hearing Loss                                                           |
| 15:10 – 15:30  | Sebastian Puschmann – **RT Highlight Talk I.3**
|                | Modulation of auditory cortex responses to speech in background noise by visual cues            |
| 15:30 – 16:00  | **Coffee Break**                                                                               |
16:00 – 16:30  Ladan Shams - Keynote talk I-2 - online
The role of auditory-visual interactions in perception, memory and learning

16:30 – 17:00  Tara Sainath - Keynote talk IV-1 - online
The Journey of E2E Models: From Research to Production

17:00 – 17:10  Announcements for the evening /next day

17:10 – 18:30  Visit to the Poster Exhibition
Open discussions with our poster authors

18:30 – 19:30  Light Dinner

19:30 – 21:00  Evening Event: Bigband concert Windstärke 12

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Friday, 03.11.2023  09:00 – 16:00

09:00 – 09:10  Welcome (Birger Kollmeier)

09:10 – 11:30  Research Thread IV: The Hearing Device of the future
(Hohmann, Blume, Büchner)

09:10 – 09:40  Dorothea Kolossa - Keynote talk IV-2
Audio-visual hearing support: Harnessing machine learning to support hearing beyond acoustics

09:40 – 10:00  Overview and Highlights from Research Thread IV
(including Poster Overview)

10:00 – 10:20  Ragini Sinha – RT Highlight Talk IV.1
Subjective Performance Evaluation of Single-channel Speaker-conditioning Target Speaker Extraction Systems

10:20 – 10:50  Coffee Break

10:50 – 11:10  Marc-Nils Wahalla – RT Highlight Talk IV.2
Online EEG-Signal Processing within the CereBridge mobile Brain-Computer Interface system

11:10 – 11:30  Sreekari Vogeti – RT Highlight Talk IV.3
Modulating near-threshold auditory perception using transcranial alternating current stimulation

11:30 – 12:30  Visit to the Poster Exhibition
Open discussions with our poster authors

12:30 – 13:20  Lunch Break
|----------------|---------------------------------------------------------------------------------------------------------|
| 13:20 – 13:50 | *Akira Ishiyama – Keynote talk III-1*  
Human temporal bone histopathology and molecular analysis of intracochlear changes following cochlear implantation |
| 13:50 – 14:20 | *Paul Avan – Keynote talk III-2*  
From genetic models to an improved characterization of age-related hearing loss |
| 14:20 – 14:40 | *Overview and Highlights from Research Thread III*  
(including Poster Overview) |
| 14:40 – 15:00 | *Eugen Kludt – RT Highlight Talk III.1*  
Personalized Cochlear Implantation Using Fluoroscopy and Intraoperative ECAP Measurements |
| 15:00 – 15:20 | *Heike Schmitt – RT Highlight Talk III.2*  
Towards molecular treatment strategies: possibilities of molecular perilymph diagnostics in patients with inner ear diseases |
| 15:00 – 15:40 | *Maximilian Lenz – RT Highlight Talk III.3*  
Investigating synaptic transmission and plasticity in the human neocortex |
| 15:40 – 15:50 | Award ceremony (Birger Kollmeier, Thomas Lenarz) |
| 15:50 – 16:00 | Farewell and closing remarks (Birger Kollmeier, Thomas Lenarz) |
| **16:00** | End of Official Part of the Symposium |

*Friday, 03.11.2023  16:30 – 18:30*

| 16:30 – 17:30 | Scientific Advisory Board Meeting (internal) |
| 17:30 – 18:30 | Cluster Board meeting (internal) |
Venue
Weser-Ems-Halle, Festsaale
Europaplatz 12
26123 Oldenburg, Germany

Oldenburg (Oldb) Central Station:
Take Exit North
5 min. walk to venue
Or take the bus:
- No. 323 towards Wahnbeek
- No. 314 towards Ostring
Get off after 2 stops

Transfer from Bremen Airport:
Approx. 40 min. by car
(ask Head Office to have transfer service arranged)
Approx. 90 min. by public transport
(Ticket price category: F)

If you need any further information, please contact the Hearing4all Head Office:
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