DREAMS Workshop

House of Hearing
Marie-Curie-Straße 2, D-26129 Oldenburg, Germany

Schedule

September 25th 2013

19h00 Dinner (Ratskeller Oldenburg, Markt 1, 26122 Oldenburg)

September 26th 2013

09h00 Registration and Welcome

09h15 **ESR presentations** (15' each)
- Clément Doire, Imperial College (Speech intelligibility in reverberation, noise and nonlinear distortion)
- Benjamin Cauchi, Fraunhofer IDMT-HSA (Perceptual evaluation of speech dereverberation algorithms)
- Adam Kuklasiński, Oticon A/S (Multi-channel dereverberation for speech intelligibility improvement in hearing aid applications)
- Pablo Peso Parada, Nuance UK (Single-ended dereverberation tools and techniques for automatic speech recognition)
- Giacomo Vairetti, KU Leuven (Efficient parametric modelling and identification of room acoustics)

10h30 Coffee break

11h00 **Tutorial 1**: "Speech intelligibility in noise and reverberation"
Dr. Gaston Hilkhuysen, CNRS-LMA

12h00 **Tutorial 2**: „Objective measures for speeech dereverberation"
Dr. Stefan Goetze, Fraunhofer IDMT-HSA

12h30 Lunch

13h30 **ESR presentations** (15' each)
- Ante Jukić, University of Oldenburg (Multi-microphone joint noise suppression and dereverberation)
- Nejem Huleihel, NXP Software (A multi-channel Wiener filtering approach to direct-to-reverberant ratio control for high-end audio conferencing on mobile devices)
- Naveen Kumar Desiraju, Nuance Communications GmbH (Multi-channel joint dereverberation and acoustic echo cancellation)
- Mathieu Hu, Imperial College (Environment-aware multi-channel dereverberation)
- Niccolò Antonello, KU Leuven (Dereverberation by inverse solution of the acoustic wave equation on a finite element grid)
- Adel Zahedi, Aalborg University (Coding for wireless distributed microphones in reverberant environments)

15h00 **Tutorial 3**: „Binaural models for speech intelligibility"
Dr. Jan Rennies, Fraunhofer IDMT-HSA

15h30 Coffee break

15h50 **Hands-on workshop**: "SIP-Toolbox"
Dr. Jan Rennies, Fraunhofer IDMT-HSA

16h50 **Open discussion**

17h30 End of workshop