



EARS Project Meeting at Erlangen

Public Technical Presentations

Location: [Felix-Klein building](#)
Conference room K3-128
Cauerstr. 11
91058 Erlangen

Date: **Thursday, December 11th, 2014**

9:00 **Opening**

W. Kellermann (FAU Erlangen-Nürnberg)

The Nao Robot and Its Applications

R. Gelin (Aldebaran Robotics)

Technological Developments on Nao Driven by EARS

R. Gelin (Aldebaran Robotics)

Robot Audition in Rooms - The Challenge of Reverberant Speech

A. Moore, C. Evers and P. Naylor (Imperial College London)

Designing Optimal Behaviors for Intuitive Human Robot Interaction

V. Hafner (Humboldt Universität zu Berlin)

10:30 **Coffee Break**

10:45 Ego-Noise Reduction Using Phase-Optimized Dictionary Learning

A. Deleforge and W. Kellermann (FAU Erlangen-Nürnberg)

A Mixture-model Approach for Combining Auditory and Visual Data

R. Horaud (INRIA Grenoble)

Experimental Validation of the HRTF Database Obtained Using Boundary Element Method Simulation

V. Tourbabin, J. Sheaffer and B. Rafaely (Ben-Gurion University)

Spherical Array Design to Extend the Operation Frequency Range
V. Tourbabin and B. Rafaely (Ben-Gurion University)

12:15 **Lunch Break**

13:15 **Lab visit at the LMS**

14:00 **Invited Talk**

Speech Processing for Interactively Learning Robots
Martin Heckmann (Honda Research Institute Europe)

15:00 **Closing**