



Sonderforschungsbereich/Transregio 31 "Das aktive Gehör"

EINLADUNG

zum Vortrag im Rahmen des Seminars des SFB/TRR 31

Freitag, 25. November 2011, 14 Uhr c.t.

im Raum W2 1-143 der Universität Oldenburg
und Raum H28 / R 2.31 med. Campus Magdeburg,
(per Videoübertragung)

***"Sound Localization Strategies in Simple
and Complex Environments"***

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The binaural mechanisms of horizontal sound localization are well understood. However, in everyday environments, the listeners also use other sources of information. For example, a priori knowledge about the spatial distribution of target and distractor sounds can affect where the listeners focus their attention in a complex multitalker listening environment. Similarly, even in simple environments, the presence of an uninformative distractor sound coming from a known location gives the listener the option of estimating the location of the target relative to the distractor (in addition to absolute localization based on the target binaural cues). Here, results of two studies are presented. Exp. 1 examined how listeners use a priori information when localizing a talker in a multitalker environment. Exp. 2 showed that biases in localization of a simple target can be induced in the context of a more complex localization task. These results confirm that listeners change how they interpret the binaural cues depending on the context. However, the change in listeners' strategy can result not only in improvement but also in deterioration of performance.

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