



Sonderforschungsbereich/Transregio 31 "Das aktive Gehör"

EINLADUNG

zum Vortrag im Rahmen des Seminars des SFB/TRR 31

Freitag, 30. Oktober 2009, 14 Uhr c.t.

im Raum G26.1 – 010
Rechenzentrum der Universität Magdeburg
und
im Raum W2 1-143, Universität Oldenburg
(per Videoübertragung)

**“Sequential regularity extraction
and auditory object formation”**

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Many events in the acoustic environment occur in a regular manner, such as the sound of a train passing by, which gradually changes in location and intensity. The auditory system is equipped with a mechanism that detects such regularities. In this talk I will present results on the flexibility of auditory regularity extraction obtained with a dynamic experimental protocol. Moreover, I will provide evidence for two important functional roles of regularity extraction: Stimulus prediction, on the one hand, and auditory object formation, on the other hand. Finally, I will present data suggesting an interaction of sequential regularities with instantaneous cues for auditory object formation.