Sonderforschungsbereich/Transregio 31 “Das aktive Gehör”

E I N L A D U N G

zum Vortrag im Rahmen des Seminars des SFB/TRR 31

Freitag, 21. Mai 2010, 14 Uhr c.t.

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

The Essex Hearing Dummy Project

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The Essex Hearing Dummy project aims to establish a new clinical approach to assessing hearing impairment and optimising hearing aid parameterisation. The Hearing Dummy is a computer model of the hearing of an individual patient. The parameters of the model are established on the basis of measurements of absolute thresholds, tuning curves and compression estimates for the patient. Rapid evaluation techniques are under development with the aim to make these measures clinically viable. The parameters of the computer model are adjusted in physiologically justifiable ways to simulate the impairment and reproduce the patient's measurements. The model can then be used to simulate speech in noise performance. The long term aim of the project is to use the model to find the best hearing aid settings before the patient returns to collect his hearing aid.