

Elektrotechnik-Elektronik-Informationstechnik

EEI KOLLOQUIUM

Impedance Estimation at Low Frequencies for Room Acoustics Simulations

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Diskussionsleitung: Prof. Dr. ir. Emanuël A.P. Habets

When modeling acoustic spaces, with for example Virtual Acoustics applications in mind, accurate acoustical parameters are often needed to obtain realistic solutions. With regards to absorbent surface materials, obtaining accurate impedance data at low frequencies can be time-consuming and may require dedicated measurement setups. This talk will present a recent study into the use of eigenvalue approximation for impedance estimations. It will be shown that the proposed method can provide in situ surface impedance estimates using a single microphone.

Streaming via Zoom:

<https://us02web.zoom.us/j/88157654238?pwd=d2JxUTF3ZFoyR2FORjNkL0pZcE9HUT09>