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The DREAMS Initial Training Network: Dereverberation and Reverberation of Audio, Music, and Speech

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Abstract

The DREAMS Initial Training Network investigates the problem of modeling, controlling, removing, and synthesizing acoustic reverberation with the aim of enhancing the quality and intelligibility of audio, music, and speech signals. This is achieved through a research and training program that builds upon four disciplines that are equally important in understanding and tackling the (de-)reverberation problem: room acoustics, signal processing, psychoacoustics, and speech and audio processing. The DREAMS ITN hosts 12 early stage researchers and 4 experienced researchers, each performing an individual research project around one of four themes that reflect the most challenging open problems in the area of (de-)reverberation.

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