

ACOUSTICS2008/2430
Binaural technology for e.g. rendering auditory virtual environments

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Jens Blauert's research up through the late 60ties and later, pioneered the field of binaural technology and auditory virtual environments. He mastered the measurement of head-related transfer functions (HRTFs) before the term was introduced, and his methods were standard for decades. While most acknowledge his efforts in understanding the binaural hearing and the significance of inter-aural differences, appreciation is also in place for his evaluation of localization with identical ear input signals. The relations between the hearing's "directional" bands and the transfer functions' "boosted" bands, helped mediate the understanding that if the transfer functions could be mastered, then important dimensions of the auditory percept could also be controlled. He early understood the potential of using the HRTFs and numerical sound transmission analysis programs for rendering auditory virtual environments. Jens Blauert participated in many European cooperation projects exploring this field (and others), among other the SCATIS project addressing the auditory-tactile dimensions in the absence of visual information.