



Binaural Audition

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

One of the generally more under-appreciated wonders of nature is that vertebrates make sense of the acoustic environment in which they are immersed through the utilization of just two listening antennae (ears). Human engineers would be (and are) more inclined to employ a two-dimensional array of antennae as a basis for analysing and understanding incident sound.

Contributions are invited for a Special Issue of Acoustics on all aspects of Binaural Audition including: mathematical models; bio-physical models; human and animal experimental observations; binaural robotics; audio-reproduction; approaches to localization; binaural aspects of natural sonar systems (like those in bats, whales, dolphins, shrews); and, reviews. Also included are the spectral effects on acoustic signal entering the ear due to a so called, Pinna or Head Related Transfer Function which, whilst considered to be largely a monaural phenomenon, occurs in the context of binaural audition.

