

The interplay of psychoacoustics and L1 phonology in speech perception

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A listener's judgement on the perceptual distance between two sounds may be influenced by their psychoacoustic difference as well as the listener's L1 phonology, including its sound inventory and phonotactics. This talk reports a series of perceptual experiments, including AX discrimination and similarity rating, to discuss the effects of these two aspects when listeners perceive sound pairs corresponding to sequences that are valid or invalid for their L1s. The results suggest that psychoacoustic perception may interact with the listeners' L1 phonology in a subtle manner when a listener evaluates the perceptual distance of sound pairs.

About the speaker:

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