# Processing of Taiwanese tone sandhi：The Gating paradigm

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**Abstract**    The aim of the research is examine spoken word recognition of Southern-Min Taiwanese. Constraints of lexical tones on semantic activation on the recognition of spoken words are common features in tone languages, especially in S.M.T, tone sandhi determines what the spoken word recognition of comprehension process. The subjects were 30 teachers of primary school in Taiwan. Each S.M.T word was presented in duration-blocked format. The acoustic information of each word was increased cross groups with 50 msec a date. The subjects were asked to spell out and write down the word being presented and to indicate how confident they were about each guess on a 7-point scale.

The results are discussed in terms of how tonal information is represented in the lexicon, and how tone sandhi on semantic activation are determined in continuous spoken word context.

Keyword: Southern-Min Taiwanese, tone sandhi, Gating, spoken word recognition