

## **Phonological Production in Taiwan Sign Language\***

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This paper describes an experiment on the production of handshape change in Taiwan Sign Language using the implicit priming experimental paradigm (Meyer 1990, 1991). The results not only provide new evidence that phonological form plays an important role in sign production, but also that the time course of sign production closely matches that predicted by a prominent model of spoken word production (Levelt et al. 1999). The experiment further highlights important methodological considerations in the study of phonological production, not only for sign language, but for spoken language as well.

Key words: sign language, Taiwan Sign Language, phonology, psycholinguistics

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## 台灣手語的音韻產生歷程

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這篇論文主要在描述一個有關台灣手語在語言產生過程中的手型變化（相當於口語的音韻變化）的實驗。這個實驗採用的是「隱藏啓動實驗典範」(implicit priming; Meyer 1990, 1991)。實驗結果不僅提供證據，證明音韻形式在手語的產生中扮演一個重要的角色，而且顯示手語音韻產生的時程與 Levelt, Roelofs, and Meyer 等人 (1999) 所發現的口語產生的時程一致。本實驗更進一步凸顯有關音韻產生（包括手語與口語）的研究方法的某些考量的重要性。

關鍵詞：台灣手語，音韻學，心理語言學