

# 國小國語科測驗卷電腦輔助出題系統

## 摘要

我們建立一套利用自然語言處理技術的電腦輔助出題系統，輔助國小國語科教師建構題庫和學生資料的管理與分析。在建構題庫方面，目前可以建立起四聲辨識、中文克漏詞、改錯字、量詞、國字注音及中文句子重組。教師也可以透過本系統，分析學生在線上作答的歷史紀錄，透過瞭解特定學生或是某一群學生的優缺點，有利於教學活動的適性化。

# **A Computer Assisted Test Item Composition System for Elementary Learners of Chinese**

## **Abstract**

We apply the techniques of natural language processing to build a computer-assisted item generation system. The system can assist the teachers for elementary Chinese to construct tests items and to manage students' test records. In the aspect of constructing tests items, this system provides the functions including the recognition of phonetic symbols, Chinese cloze tests, identifying incorrect Chinese characters, quantifier terms, Chinese phonetics and reconstructing Chinese sentences. By using the system, the teachers can analyze the historical records of students' answers online. By understanding the strength and weakness of a specific student or a certain group of students can be beneficial to adaptability of teaching activities.