URN etd-0407109-183701-02
Author Jing-Wei Huang
Author's Email Address No Public.
Statistics This thesis had been viewed 64 times. Download 98 times.
Department
Year 2006
Semester 1
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title Development of Articulation Diagnostic and Teaching Activities System for Articulation Disorders
Date of Defense 0000-00-00
Page Count 54
Keyword
Articulation Disorder
Articulation Diagnostic
Speech Recognition

Abstract
Language disorder will reduce speech intelligent and affect person’s interpersonal communication, personality, social adaptive capacity, and learning ability. In the clinical protocol, language therapist utilizes clinical experience to individualized assessment, treatment, and training. However, the manpower of language therapists and the assistant instruments are insufficient. In this paper, an articulation diagnostic and teaching activities system is proposed to assist language therapists and articulation disorders. The articulation error patterns in phonetic can be identified and considered to generate pronunciation confusion network. Using speech recognition technique, the pronunciation errors can be automatically identified and labeled. The articulation error pattern can be identified by modified dependency network. Articulation teaching activities for each type of articulation errors is fed back to users. Experimental results reveal the practicability of proposed method and system.
Advisory Committee Chen Yeou-Jiunn - advisor

Files etd-0407109-183701-02-003.pdf
etd-0407109-183701-02-001.pdf
etd-0407109-183701-02-002.pdf
etd-0407109-183701-02-004.pdf

indicate access worldwide
Date of Submission 2007-08-08