1998-2006
長庚語音暨多媒體期刊與會議論文集

長庚多媒體訊號處理實驗室
呂仁園 rylyu@mail.cgu.edu.tw
24 June 2006

1. A LARGE-VOCABULARY TAIWANESE (MIN-NAN) MULTI-SYLLABIC WORD RECOGNITION SYSTEM BASED UPON RIGHT-CONTEXT-DEPENDENT PHONES WITH STATE CLUSTERING BY ACOUSTIC DECISION TREE ……..…….....……1-4

2. A NEW HYBRID DURATION HIDDEN MARKOV MODEL WITH APPLICATION TO LARGE VOCABULARY TAIWANESE (MIN-NAN) WORD RECOGNITION …….……....5-10

3. A LARGE-VOCABULARY TAIWANESE (MIN-NAN) SPEECH RECOGNITION SYSTEM BASED ON INTER-SYLLABIC INITIAL-FINAL MODELING AND LEXICON-TREE SEARCH ……11-22

4. TAIWANESE CORPUS COLLECTION VIA CONTINUOUS SPEECH RECOGNITION TOOL ……23-26

5. A BI-LINGUAL MANDARIN/TAIWANESE(MIN-NAN), LARGE VOCABULARY, CONTINUOUS SPEECH RECOGNITION SYSTEM BASED ON THE TONG-YONG PHONETIC ALPHABET (TYPA) ……..27-30

6. A TAIWANESE (MIN-NAN) TEXT-TO-SPEECH (TTS) SYSTEM BASED ON AUTOMATICALLY GENERATED SYNTHETIC UNITS ……..…… 31-34

7. A LARGE-VOCABULARY SPEECH RECOGNITION SYSTEM FOR TAIWANESE (MIN-NAN) ……...35-52

8. 使用簡易音高週期浮現演算法(EAPA)及多層認知元網路(MLP)之台語聲調辨識 ……53-59

9. SPEAKER INDEPENDENT ACOUSTIC MODELING FOR LARGE VOCABULARY BI-LINGUAL TAIWANESE/MANDARIN CONTINUOUS SPEECH RECOGNITION ……60-65

10. LARGE VOCABULARY TAIWANESE (MIN-NAN) SPEECH RECOGNITION USING TONE FEATURES AND STATISTICAL PRONUNCIATION MODELING ……..66-69

11. AN EFFICIENT ALGORITHM TO SELECT PHONETICALLY BALANCED SCRIPTS FOR CONSTRUCTING A SPEECH CORPUS ……...70-74

12. AN AUTOMATIC SINGING TRANSCRIPTION SYSTEM WITH MULTILINGUAL SINGING LYRIC RECOGNIZER AND ROBUST MELODY TRACKER …….... 75-78

13. A ROBUST SINGING MELODY TRACKER USING ADAPTIVE ROUND SEMITONES (ARS) ……..……79-84

14. A SINGING TRANSCRIPTION SYSTEM USING MELODY TRACKING ALGORITHM BASED ON ADAPTIVE ROUND SEMITONE (ARS) PLUS MUSIC GRAMMAR CONSTRAINTS .85-88

15. TOWARD CONSTRUCTING A MULTILINGUAL SPEECH CORPUS FOR TAIWANESE (MIN-NAN), HAKKA, AND MANDARIN ……....89-100

16. A Taiwanese Text-to-Speech System with Applications to Language Learning ……101-105

17. A UNIFIED FRAMEWORK FOR LARGE VOCABULARY SPEECH RECOGNITION OFMUTUALLY UNINTELLIGIBLE CHINESE "REGIONALECTS" ……106-109

18. CONSTRUCT A MULTI-LINGUAL SPEECH CORPUS IN TAIWAN WITH EXTRACTING PHONETICALLY BALANCED ARTICLES ……..110-113

19. 華台雙語發音變異性之語音辨識研究及PDA之應用 ……....114-126

20. Taiwanese TV News-to-Document Index System ……..……..127-130

21. BIPHONE-RICH VERSUS TRIPOHNE-RICH: A COMPARISON OF SPEECH CORPORA IN AUTOMATIC SPEECH RECOGNITION ……...……..131-134

22. A MULTILINGUAL AUTOMATIC SPEECH RECOGNITION (ASR) ENGINE EMBEDDED ON PERSONAL DIGITAL ASSISTANT (PDA) ……...135-138

23. THE MULTIPLE PRONUNCIATIONS IN TAIWANESE AND THE AUTOMATIC TRANSCRIPTION OF BUDDHIST SUTRA WITH AUGMENTED READ SPEECH ……139-142

24. A BI-LINGUAL MANDARIN-TO-TAIWANESE TEXT-TO-SPEECH SYSTEM ……..143-146

25. MODELING PRONUNCIATION VARIATION FOR BI-LINGUAL MANDARIN/TAIWANESE SPEECH RECOGNITION ……..……..147-164

26. 台灣閩南語聲調評分系統評估與研究 ……165-175

27. 電視新聞語料場景的自動切割與分類 ……176-188

28. A BI-LINGUAL TV NEWS-TO-DOCUMENT INDEXING SYSTEM ……....189-196

29. USING SPEECH RECOGNITION TECHNIQUE FOR CONSTRUCTING A PHONETICALLY TRANSCRIBED TAIWANESE (MIN-NAN) TEXT CORPUS ……..197-200