

**2007 Index**  
**International Journal of Computational Linguistics &**  
**Chinese Language Processing**  
**Vol. 12**

*IJCLCLP 2007 Index-1*

This index covers all technical items---papers, correspondence, reviews, etc.---that appeared in this periodical during 2007.

The Author Index contains the primary entry for each item, listed under the first author's name. The primary entry includes the coauthors' names, the title of paper or other item, and its location, specified by the publication volume, number, and inclusive pages. The Subject Index contains entries describing the item under all appropriate subject headings, plus the first author's name, the publication volume, number, and inclusive pages.

**AUTHOR INDEX**

**B**

**Bao, Mingzhen**

Min Chu, and Yunjia Wang. The Influence of Reading Styles on Accent Assignment in Mandarin; 12(1): 91-106

**Bao, Yongqiang**

see Zou, Cairong, 12(1): 79-90

**Bu, Jiajun**

see You, Mingyu, 12(1): 49-64

**C**

**Campbell, Nick**

Differences in the Speaking Styles of a Japanese Male According to Interlocutor; Showing the Effects of Affect in Conversational Speech; 12(1): 1-16

**Chang, Ruei-Chuan**

see Chao, Yi-Hsiang, 12(3): 255-272

**Chao, Yi-Hsiang**

Hsin-Min Wang, and Ruei-Chuan Chang. A Novel Characterization of the Alternative Hypothesis Using Kernel Discriminant Analysis for LLR-Based Speaker Verification; 12(3): 255-272

**Chen, Berlin**

see Lin, Shih-Hsiang, 12(2): 217-238

**Chen, Chun**

see You, Mingyu, 12(1): 49-64

**Chen, Ing-Xiang**

Jui-Chi Ho, and Cheng-Zen Yang. Hierarchical Web Catalog Integration with Conceptual Relationships in a Thesaurus; 12(2): 155-174

**Chen, Jiang-Chun**

Jyh-Shing Roger Jang, and Te-Lu Tsai. Automatic Pronunciation Assessment for Mandarin Chinese: Approaches and System Overview; 12(4) 443-458

**Chen, Keh-Jiann**

see Hsieh, Yu-Ming, 12(2): 195-216

**Chen, Sin-Horng**

see Kuo, Wei-Chih, 12(4): 391-410

**Chen, Yuquan**

see Hu, Yi, 12(2): 107-126

**Ching, P.C.**

see Zheng, Nengheng, 12(3): 273-290

**Chu, Min**

see Bao, Mingzhen, 12(1): 91-106

**Chuang, Ze-Jing**

see Wu, Chung-Hsien, 12(1): 65-78

**D**

**Du, Ju**

Peng Liu, Frank K. Soong, Jian-Lai Zhou, and Ren-Hua Wang. Performance of Discriminative HMM Training in Noise; 12(3): 291-302

**Duan, Jianyong**

see Hu, Yi, 12(2): 107-126

**G**

**Gu, Hung-Yan**

Yan-Zuo Zhou, and Huang-Liang Liao. A System Framework for Integrated Synthesis of Mandarin, Min-Nan, and Hakka Speech; 12(4): 371-390

**H**

**Ho, Chen-Chung**

see Kuo, Wei-Chih, 12(4): 391-410

**Ho, Jui-Chi**

see Chen, Ing-Xiang, 12(2): 155-174

**Hsieh, Yu-Ming**

Duen-Chi Yang, and Keh-Jiann Chen. Improve Parsing Performance by Self-Learning; 12(2): 195-216

**Hu, Yi**

Ruzhan Lu, Yuquan Chen, and Jianyong Duan. Using a Generative Model for Sentiment Analysis; 12(2): 107-126

**I**

**Iunn, Un-Gian**

Kiat-Gak Lau, Hong-Giau Tan-Tenn, Sheng-An Lee, and Cheng-Yan Kao. Modeling Taiwanese Southern-Min Tone Sandhi Using Rule-Based methods; 12(4): 349-370

**J**

**Jang, Jyh-Shing Roger**

see Chen, Jiang-Chun, 12(4): 443-458

**K**

**Kao, Cheng-Yan**

see Iunn, Un-Gian, 12(1): 349-370

**Kikui, Genichiro**

see Takezawa, Toshituki, 12(3): 303-324

**Kita, Masahiko**

see Kuroiwa, Shingo, 12(3): 239-254

**Kuo, Wei-Chih**

Chen-Chung Ho, Xiang-Rui Zhong, Zhen-Feng Liang, Hsiu-Min Yu, Yih-Ru Wang, and Sin-Horng Chen. Some Studies on Min-Nan Speech Processing; 12(4): 391-410

**Kuroiwa, Shingo**

Satoru Tsuge, Masahiko Kita, and Fuji Ren. Speaker Identification Method Using Earth Mover's Distance for CCC Speaker Recognition Evaluation 2006; 12(3): 239-254

**L**

**Lau, Kiat-Gak**

see Iunn, Un-Gian, 12(4): 349-370

**Lee, Sheng-An**

see Iunn, Un-Gian, 12(4): 349-370

**Lee, Tan**

see Zheng, Nengheng, 12(3): 273-290

**Li, Aijun**

see Yuan, Chu, 112(1): 17-32

**Liang, Zhen-Feng**

see Kuo, Wei-Chih, 12(4): 391-410

**Liau, Huang-Liang**

see Gu, Hung-Yan, 12(4): 371-390

**Lin, Shih-Hsiang**

Yao-Ming Yeh, and Berlin Chen. A Comparative Study of Histogram Equalization (HEQ) for Robust Speech Recognition; 12(2): 217-238

**Liu, Bingquan**

see Xiao, Jinghui, 12(2): 127-154

see Xiao, Jinghui, 12(3): 325-348

**Liu, Jia**

see You, Mingyu, 12(1): 49-64

**Liu, Peng**

see Du, Ju, 12(3): 291-302

**Lu, Ruzhan**

see Hu, Yi, 12(2): 107-126

**M**

**Mizushima, Masahide**

see Takezawa, Toshituki, 12(3): 303-324

**Myers, James**

MiniJudge: Software for Small-Scale Experimental Syntax; 12(2): 175-194

**N**

**Ngai, Grace**

Chi-Shing Wang. A Knowledge-Based Approach for Unsupervised Chinese Coreference Resolution; 12(4): 459-484

**R**

**Ren, Fuji**

see Kuroiwa, Shingo, 12(3): 239-254

**S**

**Soong, Frank K.**

see Du, Ju, 12(3): 291-302

**Su, Zhuangluan**

and Zengfu Wang. Affective Intonation-Modeling for Mandarin Based on PCA; 12(1): 33-48

**Sumita Eiichiro**

see Takezawa, Toshituki, 12(3): 303-324

**T**

**Takezawa, Toshiyuki**

Genichiro Kikui, Masahide Mizushima, and Eiichiro Sumita. Multilingual Spoken Language Corpus Development for Communication Research; 12(3): 303-324

**Tan-Tenn, Hong-Giau**

see Iunn, Un-Gian, 12(4): 349-370

**Tao, Jianhua**

see You, Mingyu, 12(1): 49-64

**Tsai, Te-Lu**

see Chen, Jiang-Chun, 12(4): 443-458

**Tsay, Jane S**

Construction and Automatization of a Minnan Child Speech Corpus with some Research Findings; 12(4): 411-442

**Tsuge, Satoru**

see Kuroiwa, Shingo, 12(3): 239-254

**W**

**Wang, Chi-Shing**

see Ngai, Grace, 12(4): 459-484

**Wang, Hsin-Min**

see Chao, Yi-Hsiang, 12(3): 255-272

**Wang, Ning**

see Zheng, Nengheng, 12(3): 273-290

**Wang, Ren-Hua**

see Du, Ju, 12(3): 291-302

**Wang, Xiaolong**

see Xiao, Jinghui, 12(2): 127-154

see Xiao, Jinghui, 12(3): 325-348

**Wang, Yih-Ru**

see Kuo, Wei-Chih, 12(4): 391-410

**Wang, Yunjia**

see Bao, Mingzhen, 12(1): 91-106

**Wang, Zengfu**

see Su, Zhuangluan, 12(1): 33-48

- Wu, Chung-Hsien**  
and Ze-Jing Chuang. Emotion Recognition from  
Speech Using IG-Based Feature  
Compensation; 12(1): 65-78

## X

- Xiao, Jinghui**  
Bingquan Liu, and Xiaolong Wang. An  
Empirical Study of Non-Stationary Ngram  
Model and its Smoothing Techniques; 12(2):  
127-154
- Bingquan Liu, and Xiaolong Wang. Exploiting  
Pinyin Constraints in Pinyin-to-Character  
Conversion Task: a Class-Based Maximum  
Entropy Markov Model Approach; 12(3):  
325-348

## Y

- Yang, Cheng-Zen**  
see Chen, Ing-Xiang, 12(2): 155-174
- Yang, Duen-Chi**  
see Hsieh, Yu-Ming, 12(2): 195-216
- Yeh, Yao-Ming**  
see Lin, Shih-Hsiang, 12(2): 217-238
- You, Mingyu**  
Chun Chen, Jiajun Bu, Jia Liu, and Jianhua Tao.  
Manifolds Based Emotion Recognition in  
Speech; 12(1): 49-64
- Yu, Hsiu-Min**  
see Kuo, Wei-Chih, 12(4): 391-410
- Yuan, Chu**  
and Aijun Li. 12(1): 17-32

## Z

- Zhao, Li**  
see Zou, Cairong, 12(1): 79-90
- Zhao, Yan**  
see Zou, Cairong, 12(1): 79-90
- Zhen, Wenming**  
see Zou, Cairong, 12(1): 79-90
- Zheng, Nengheng**  
Tan Lee, Ning Wang, and P.C. Ching. Integrating  
Complementary Features from Vocal Source  
and Vocal Tract for Speaker Identification;  
12(3): 273-290
- Zhong, Xiang-Rui**  
see Kuo, Wei-Chih, 12(4): 391-410
- Zhou, Jian-Lai**  
see Du, Ju, 12(3): 291-302
- Zhou, Yan-Zuo**  
see Gu, Hung-Yan, 12(4): 371-390
- Zou, Cairong**  
Yan Zhao, Li Zhao, Wenming Zhen, and  
Yongqiang Bao. Emotional Recognition Using

- a Compensation Transformation in Speech  
Signal; 12(1): 79-90

## SUBJECT INDEX

## A

- Activation**  
The Breath Segment in Expressive Speech. Yuan,  
C., 12(1): 17-32
- Affective Speech**  
Affective Intonation-Modeling for Mandarin  
Based on PCA. Su, Z., 12(1): 33-48
- Automatic Speech Recognition**  
A Comparative Study of Histogram Equalization  
(HEQ) for Robust Speech Recognition. Lin,  
S.-H., 12(2): 217-238
- Automatic Word Segmentation**  
Construction and Automatization of a Minnan  
Child Speech Corpus with some Research  
Findings. Tsay, J. S., 12(4): 411-442

## B

- Breath Segment**  
The Breath Segment in Expressive Speech. Yuan,  
C., 12(1): 17-32

## C

- CALL**  
Automatic Pronunciation Assessment for  
Mandarin Chinese: Approaches and System  
Overview. Chen, J.-C., 12(4): 443-458
- CAPT**  
Automatic Pronunciation Assessment for  
Mandarin Chinese: Approaches and System  
Overview. Chen, J.-C., 12(4): 443-458
- Child Languages**  
Construction and Automatization of a Minnan  
Child Speech Corpus with some Research  
Findings. Tsay, J. S., 12(4): 411-442
- CHILDES**  
Construction and Automatization of a Minnan  
Child Speech Corpus with some Research  
Findings. Tsay, J. S., 12(4): 411-442
- Chinese Speech Corpus**  
Speaker Identification Method Using Earth  
Mover's Distance for CCC Speaker  
Recognition Evaluation 2006. Kuroiwa, S.,  
12(3): 239-254
- Class-Based**  
Exploiting Pinyin Constraints in  
Pinyin-to-Character Conversion Task: a  
Class-Based Maximum Entropy Markov  
Model Approach. Xiao, J., 12(3): 325-348

### **Communication**

Multilingual Spoken Language Corpus  
Development for Communication Research.  
Takezawa, T., 12(3): 303-324

### **Compensation Transformation**

Emotional Recognition Using a Compensation  
Transformation in Speech Signal. Zou, C.,  
12(1): 79-90

### **Conceptual Relationships**

Hierarchical Web Catalog Integration with  
Conceptual Relationships in a Thesaurus. Chen,  
I.-X., 12(2): 155-174

### **Confidence Measure**

Integrating Complementary Features from Vocal  
Source and Vocal Tract for Speaker  
Identification. Zheng, N., 12(3): 273-290

### **Conversational Speech Corpus**

Differences in the Speaking Styles of a Japanese  
Male According to Interlocutor; Showing the  
Effects of Affect in Conversational Speech.  
Campbell, N., 12(1): 1-16

### **Coreference Resolution**

A Knowledge-Based Approach for Unsupervised  
Chinese Coreference Resolution. Ngai, G.,  
12(4): 459-484

## **D**

### **Data Fitting**

A Comparative Study of Histogram Equalization  
(HEQ) for Robust Speech Recognition. Lin,  
S.-H., 12(2): 217-238

### **Dialog**

Multilingual Spoken Language Corpus  
Development for Communication Research.  
Takezawa, T., 12(3): 303-324

### **Dimensionality Reduction**

Manifolds Based Emotion Recognition in  
Speech. You, M., 12(1): 49-64

### **Discriminative Training**

Performance of Discriminative HMM Training  
in Noise. Du, J., 12(3): 291-302

### **Distribution Tebdency**

The Influence of Reading Styles on Accent  
Assignment in Mandarin. Bao, M., 12(1):  
91-106

### **Downhill Simplex Method**

Automatic Pronunciation Assessment for  
Mandarin Chinese: Approaches and System  
Overview. Chen, J.-C., 12(4): 443-458

## **E**

### **Earth Mover's Distance**

Speaker Identification Method Using Earth  
Mover's Distance for CCC Speaker  
Recognition Evaluation 2006. Kuroiwa, S.,  
12(3): 239-254

### **Eigen-Intonation**

Affective Intonation-Modeling for Mandarin  
Based on PCA. Su, Z., 12(1): 33-48

### **Emotion**

The Breath Segment in Expressive Speech. Yuan,  
C., 12(1): 17-32

### **Emotion Recognition**

Manifolds Based Emotion Recognition in Speech.  
You, M., 12(1): 49-64

Emotion Recognition from Speech Using  
IG-Based Feature Compensation. Wu, C.-H.,  
12(1): 65-78

Emotional Recognition Using a Compensation  
Transformation in Speech Signal. Zou, C.,  
12(1): 79-90

### **Emotional Speech**

Emotion Recognition from Speech Using  
IG-Based Feature Compensation. Wu, C.-H.,  
12(1): 65-78

### **Emotional Speech Analysis**

Manifolds Based Emotion Recognition in Speech.  
You, M., 12(1): 49-64

### **Enhanced Lipschitz Embedding(ELE)**

Manifolds Based Emotion Recognition in Speech.  
You, M., 12(1): 49-64

### **Experimental Linguistics**

MiniJudge: Software for Small-Scale  
Experimental Syntax. Myers, J., 12(2):  
175-194

### **Expression of Affect**

Differences in the Speaking Styles of a Japanese  
Male According to Interlocutor; Showing the  
Effects of Affect in Conversational Speech.  
Campbell, N., 12(1): 1-16

### **Expressive Speech**

The Breath Segment in Expressive Speech. Yuan,  
C., 12(1): 17-32

## **F**

### **F0 Contour**

Affective Intonation-Modeling for Mandarin  
Based on PCA. Su, Z., 12(1): 33-48

### **Feature Compensation**

Emotion Recognition from Speech Using  
IG-Based Feature Compensation. Wu, C.-H.,  
12(1): 65-78

### **Forced Alignment**

Automatic Pronunciation Assessment for  
Mandarin Chinese: Approaches and System  
Overview. Chen, J.-C., 12(4): 443-458

## **G**

### **Generalized Linear Mixed Effect Modeling**

MiniJudge: Software for Small-Scale  
Experimental Syntax. Myers, J., 12(2):  
175-194

**GMM**

Emotional Recognition Using a Compensation Transformation in Speech Signal. Zou, C., 12(1): 79-90

Automatic Pronunciation Assessment for Mandarin Chinese: Approaches and System Overview. Chen, J.-C., 12(4): 443-458

**H****Hierarchical Catalog Integration**

Hierarchical Web Catalog Integration with Conceptual Relationships in a Thesaurus. Chen, I.-X., 12(2): 155-174

**Histogram Equalization**

A Comparative Study of Histogram Equalization (HEQ) for Robust Speech Recognition. Lin, S.-H., 12(2): 217-238

**I****Information Fusion**

Integrating Complementary Features from Vocal Source and Vocal Tract for Speaker Identification. Zheng, N., 12(3): 273-290

**Intensity**

Automatic Pronunciation Assessment for Mandarin Chinese: Approaches and System Overview. Chen, J.-C., 12(4): 443-458

**Intonation Group**

Emotion Recognition from Speech Using IG-Based Feature Compensation. Wu, C.-H., 12(1): 65-78

**J****JavaScript**

MiniJudge: Software for Small-Scale Experimental Syntax. Myers, J., 12(2): 175-194

**K****Kernel Fisher Discriminant**

A Novel Characterization of the Alternative Hypothesis Using Kernel Discriminant Analysis for LLR-Based Speaker Verification. Chao, Y.-H., 12(3): 255-272

**Knowledge Extraction**

Improve Parsing Performance by Self-Learning. Hsieh, Y.-M., 12(2): 195-216

**L****Language Modeling**

Using a Generative Model for Sentiment Analysis. Hu, Y., 12(2): 107-126

**Log-Likelihood Ratio**

A Novel Characterization of the Alternative Hypothesis Using Kernel Discriminant Analysis for LLR-Based Speaker Verification. Chao, Y.-H., 12(3): 255-272

**Leave-One-Out**

Automatic Segmentation and Labeling for Mandarin Chinese Speech Corpora for Concatenation-based TTS. Lin, C.-Y., 10(2): 145-166

**Legal Concept and Terminology**

A Synchronous Corpus-Based Study on the Usage and Perception of Judgement Terms in the Pan-Chinese Context. Kwong, O. Y., 10(4): 519-532

**Lexical Knowledgebase**

The Sinica Sense Management System: Design and Implementation. Huang, C.-R., 10(4): 417-430

**Lexical Meaning**

Dummy Verbs in Contemporary Chinese. Yu, S., 10(4): 509-518

**Lexical Semantic Relation**

The Sinica Sense Management System: Design and Implementation. Huang, C.-R., 10(4): 417-430

**Lexical Sense**

A Construction-Based Approach to Chinese Lexical Semantics. Wang, H., 10(4): 495-508

**Lexical Statistics**

Similarity Based Chinese Synonym Collocation Extraction. Li, W., 10(1): 123-144

**LFPC**

Detecting Emotions in Mandarin Speech. Pao, T.-L., 10(3): 347-362

**Lightly Supervised Acoustic Model Training**

Lightly Supervised and Data-Driven Approaches to Mandarin Broadcast News Transcription. Chen, B., 10(1): 1-18

**Linguistic Analysis**

The Formosan Language Archive: Linguistic Analysis and Language Processing. Zeitoun, E., 10(2): 167-200

**LPC**

Detecting Emotions in Mandarin Speech. Pao, T.-L., 10(3): 347-362

**M****Mandarin**

The Influence of Reading Styles on Accent Assignment in Mandarin. Bao, M., 12(1): 91-106

**Mandarin Chinese**

Automatic Pronunciation Assessment for Mandarin Chinese: Approaches and System Overview. Chen, J.-C., 12(4): 443-458

**MEMM**

Exploiting Pinyin Constraints in Pinyin-to-Character Conversion Task: a Class-Based Maximum Entropy Markov Model Approach. Xiao, J., 12(3): 325-348

**Minimum Divergence**

Performance of Discriminative HMM Training in Noise. Du, J., 12(3): 291-302

**Minimum Word Error**

Performance of Discriminative HMM Training in Noise. Du, J., 12(3): 291-302

**Minnan**

Construction and Automatization of a Minnan Child Speech Corpus with some Research Findings. Tsay, J. S., 12(4): 411-442

**Min-Nan Text-to-Speech System**

Some Studies on Min-Nan Speech Processing. Kuo, W.-C., 12(4): 391-410

**Mixed Emotion**

Affective Intonation-Modeling for Mandarin Based on PCA. Su, Z., 12(1): 33-48

**Model-Based Tone Labeling**

Some Studies on Min-Nan Speech Processing. Kuo, W.-C., 12(4): 391-410

**Modified K-means Clustering**

A Knowledge-Based Approach for Unsupervised Chinese Coreference Resolution. Ngai, G., 12(4): 459-484

**Multilingual Corpus**

Multilingual Spoken Language Corpus Development for Communication Research. Takezawa, T., 12(3): 303-324

**N**

**Ngram**

An Empirical Study of Non-Stationary Ngram Model and its Smoothing Techniques. Xiao, J., 12(2): 127-154

**Noise Robustness**

Performance of Discriminative HMM Training in Noise. Du, J., 12(3): 291-302

**Non-Parametric**

Speaker Identification Method Using Earth Mover's Distance for CCC Speaker Recognition Evaluation 2006. Kuroiwa, S., 12(3): 239-254

**P**

**Parsing**

Improve Parsing Performance by Self-Learning. Hsieh, Y.-M., 12(2): 195-216

**PCFG**

Improve Parsing Performance by Self-Learning. Hsieh, Y.-M., 12(2): 195-216

**Phoneme**

Automatic Pronunciation Assessment for Mandarin Chinese: Approaches and System Overview. Chen, J.-C., 12(4): 443-458

**Pinyin-to-Character Conversion**

An Empirical Study of Non-Stationary Ngram Model and its Smoothing Techniques. Xiao, J., 12(2): 127-154

Exploiting Pinyin Constraints in Pinyin-to-Character Conversion Task: a Class-Based Maximum Entropy Markov Model Approach. Xiao, J., 12(3): 325-348

**Pitch Contour Model**

A System Framework for Integrated Synthesis of Mandarin, Min-Nan, and Hakka Speech. Gu, H.-Y., 12(4): 371-390

**PoS Tagging**

Improve Parsing Performance by Self-Learning. Hsieh, Y.-M., 12(2): 195-216

**Prosodic Characteristics**

Differences in the Speaking Styles of a Japanese Male According to Interlocutor; Showing the Effects of Affect in Conversational Speech. Campbell, N., 12(1): 1-16

**R**

**R**

MiniJudge: Software for Small-Scale Experimental Syntax. Myers, J., 12(2): 175-194

**Reading Style**

The Influence of Reading Styles on Accent Assignment in Mandarin. Bao, M., 12(1): 91-106

**Rhythm**

Automatic Pronunciation Assessment for Mandarin Chinese: Approaches and System Overview. Chen, J.-C., 12(4): 443-458

**Robustness**

A Comparative Study of Histogram Equalization (HEQ) for Robust Speech Recognition. Lin, S.-H., 12(2): 217-238

**S**

**Semantic**

Improve Parsing Performance by Self-Learning. Hsieh, Y.-M., 12(2): 195-216

**Sentential Accent**

The Influence of Reading Styles on Accent Assignment in Mandarin. Bao, M., 12(1): 91-106

**Sentiment Analysis**

Using a Generative Model for Sentiment Analysis. Hu, Y., 12(2): 107-126

**Smoothing**

An Empirical Study of Non-Stationary Ngram Model and its Smoothing Techniques. Xiao, J., 12(2): 127-154

**Speaker Identification**

Speaker Identification Method Using Earth Mover's Distance for CCC Speaker Recognition Evaluation 2006. Kuroiwa, S., 12(3): 239-254

Integrating Complementary Features from Vocal Source and Vocal Tract for Speaker Identification. Zheng, N., 12(3): 273-290

**Speaker Verification**

A Novel Characterization of the Alternative Hypothesis Using Kernel Discriminant Analysis for LLR-Based Speaker Verification. Chao, Y.-H., 12(3): 255-272

**Speech Assessment**

Automatic Pronunciation Assessment for Mandarin Chinese: Approaches and System Overview. Chen, J.-C., 12(4): 443-458

**Speech Corpus**

Construction and Automatization of a Minnan Child Speech Corpus with some Research Findings. Tsay, J. S., 12(4): 411-442

**Speech Emotional Recognition(SER)**

Emotional Recognition Using a Compensation Transformation in Speech Signal. Zou, C., 12(1): 79-90

**Speech Recognition**

Automatic Pronunciation Assessment for Mandarin Chinese: Approaches and System Overview. Chen, J.-C., 12(4): 443-458

Some Studies on Min-Nan Speech Processing. Kuo, W.-C., 12(4): 391-410

**Speech Synthesis**

Affective Intonation-Modeling for Mandarin Based on PCA. Su, Z., 12(1): 33-48

A System Framework for Integrated Synthesis of Mandarin, Min-Nan, and Hakka Speech. Gu, H.-Y., 12(4): 371-390

**Speech Translation**

Multilingual Spoken Language Corpus Development for Communication Research. Takezawa, T., 12(3): 303-324

**Spoken Language**

Multilingual Spoken Language Corpus Development for Communication Research. Takezawa, T., 12(3): 303-324

**Stacked Transformation-based Learning**

A Knowledge-Based Approach for Unsupervised Chinese Coreference Resolution. Ngai, G., 12(4): 459-484

**Stationary Hypothesis**

An Empirical Study of Non-Stationary Ngram Model and its Smoothing Techniques. Xiao, J., 12(2): 127-154

**Subjective Sentence**

Using a Generative Model for Sentiment Analysis. Hu, Y., 12(2): 107-126

**Supervised Learning**

Using a Generative Model for Sentiment Analysis. Hu, Y., 12(2): 107-126

**Support Vector Machines**

A Novel Characterization of the Alternative Hypothesis Using Kernel Discriminant Analysis for LLR-Based Speaker Verification. Chao, Y.-H., 12(3): 255-272

**Support Vector Machines(SVMs)**

Hierarchical Web Catalog Integration with Conceptual Relationships in a Thesaurus. Chen, I.-X., 12(2): 155-174

**Syntax**

MiniJudge: Software for Small-Scale Experimental Syntax. Myers, J., 12(2): 175-194

**T****Taiwan Southern Min**

Construction and Automatization of a Minnan Child Speech Corpus with some Research Findings. Tsay, J. S., 12(4): 411-442

**Taiwanese**

Construction and Automatization of a Minnan Child Speech Corpus with some Research Findings. Tsay, J. S., 12(4): 411-442

**Taiwanese Romanization**

Modeling Taiwanese Southern-Min Tone Sandhi Using Rule-Based Methods. Iunn, U.-G., 12(4): 349-370

**Taiwanese Southern-Min**

Modeling Taiwanese Southern-Min Tone Sandhi Using Rule-Based Methods. Iunn, U.-G., 12(4): 349-370

**Temporal Average**

A Comparative Study of Histogram Equalization (HEQ) for Robust Speech Recognition. Lin, S.-H., 12(2): 217-238

**Thesaurus**

Hierarchical Web Catalog Integration with Conceptual Relationships in a Thesaurus. Chen, I.-X., 12(2): 155-174

**Time Axis Warping**

A System Framework for Integrated Synthesis of Mandarin, Min-Nan, and Hakka Speech. Gu, H.-Y., 12(4): 371-390

**TIPW**

A System Framework for Integrated Synthesis of Mandarin, Min-Nan, and Hakka Speech. Gu, H.-Y., 12(4): 371-390

**Tone Recognition**

Automatic Pronunciation Assessment for Mandarin Chinese: Approaches and System Overview. Chen, J.-C., 12(4): 443-458

**Tone Sandhi System**

Modeling Taiwanese Southern-Min Tone Sandhi  
Using Rule-Based Methods. Iunn, U.-G.,  
12(4): 349-370

**U**

**Unsupervised Learning**

A Knowledge-Based Approach for Unsupervised  
Chinese Coreference Resolution. Ngai, G.,  
12(4): 459-484

**V**

**Valence**

The Breath Segment in Expressive Speech. Yuan,  
C., 12(1): 17-32

**Vector Quantization**

Speaker Identification Method Using Earth  
Mover's Distance for CCC Speaker  
Recognition Evaluation 2006. Kuroiwa, S.,  
12(3): 239-254

**Vocal Source Feature**

Integrating Complementary Features from Vocal  
Source and Vocal Tract for Speaker  
Identification. Zheng, N., 12(3): 273-290

**Vocal Tract Feature**

Integrating Complementary Features from Vocal  
Source and Vocal Tract for Speaker  
Identification. Zheng, N., 12(3): 273-290

**Voice Quality Analysis**

Differences in the Speaking Styles of a Japanese  
Male According to Interlocutor; Showing the  
Effects of Affect in Conversational Speech.  
Campbell, N., 12(1): 1-16

**W**

**Word Association**

Improve Parsing Performance by Self-Learning.  
Hsieh, Y.-M., 12(2): 195-216

**Written Taiwanese**

Modeling Taiwanese Southern-Min Tone Sandhi  
Using Rule-Based Methods. Iunn, U.-G., 12(4):  
349-370