

Bi-month report (2015.1~2015.3)

Xi Ma

2015.4.1

Research Work

Similar-pair method




- Using one high-frequency word to enhance low-frequency words in Chinese ASR task.
- Using multiple high-frequency words to enhance low-frequency words in bilingual ASR task.
- Solve the problem of FST determinization when using multiple high-frequency words.

Research Work


Paper

- "LOW-FREQUENCY WORD ENHANCEMENT WITH SIMILAR PAIRS IN SPEECH RECOGNITION" -ChinaSIP 2015
- "Recognize Foreign Low-Frequency Words with Similar Pairs" -InterSpeech 2015

Project Work

-  Programming the toolkit of enhancing key words in specific domain.
-  Programming the toolkit of enhancing English words in bilingual ASR task.
-  Assisting the engineer of SinoVoice to solve the problem of tag language model.

Other Things

-  Finish the postgraduate entrance examination.
-  Lcuky to be admitted to Department of Computer Science and Technology , Tsinghua University.



THANK YOU

2015.4.1