

Supervisor's PhD study review

Nguyen Thien Chuong started his PhD study in June 2008. During his study, he passed the exams from subject: Recognition methods, Mathematics, Digital signal processing, Image processing and recognition and the English language. The state exam was passed in September 2013. The main topic of Mr. Chuong's work was Automatic speech recognition of Vietnamese and second goal was audio-visual speech recognition.

The thesis demonstrates that Nguyen Thien Chuong has become familiar with all the basic concepts and algorithms used in image and signal processing and recognition. All described methods and algorithms are well designed and it is shown from results that they are useful and robust for automatic speech recognition of Vietnamese.


In his thesis, Mr. Chuong presents results from several experiments for demonstration of his system for speech recognition of the Vietnamese language. Author has done a lot of research work, obtained interesting results and proposed several original methods. The results which are shown in tables and graphs are good enough and it seems that it will be possible to use designed acoustic and language model in real conditions.

I positively appreciate that Mr. Chuong manually transcribed almost 50 hours of audio recordings of the Vietnamese language. This database was used for several experiments. I have to say that it is very time consuming and it was a great benefit for training of the acoustic model and subsequent successful recognition.

As to Nguyen Thien Chuong's publishing activity: So far, his list of papers contains 5 already published conference papers relevant to his thesis. Four of them are indexed in the Web of Knowledge and Scopus database.

Nguyen Thien Chuong proved to have an ability to perform research and to achieve original scientific results. I recommend the thesis for presentation with an aim of receiving the degree of Ph.D.

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