

# Mu Zhou

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## EDUCATION

September 2006—Present:

Huazhong University of Science and Technology (HUST), P.R.China  
**M.S. Candidate major in Spatial Information Science and Technology,  
Digital Engineering & Simulation Research Center**

I Curriculum Overall GPA: 85/100, rank:10%

September 2002—July,2006:

Wuhan University of Technology, P.R.China  
**B.S.major in Electronics Information & Engineering, Department of  
Electronics Information & Engineering**

Curriculum Overall GPA: 83/100

I GPA (junior and senior) : 85/100, rank:10%

## RESEARCH & PROJECT EXPERIENCE

2008.1—Present:

**Core Member of the Research for License Plate Orientation and  
Character Segmentation.**

- ∅ Use Mathematical Morphology method to realize image segmentation.
- ∅ Neural Network design and realize number recognition in the complex background.
- ∅ Mainly be responsible for the programming of the algorithm with Matlab.

2007.1—2007.9:

**Team Member of the Project for Remote Sensing Image Classification  
based on SVM(Support Vector Machine) and Edge Extraction.**

- ∅ Mainly be responsible for the design of Machine Learning method for the project.
- ∅ Use SUSAN algorithm to extract edge feature from remote image.

2006.1—2006.5:

**Team Member of the Project of Airfield Target Detection and  
Recognition for Remote Sensing Images, supported by university**

- ∅ **Segmentation and Edge Detection: Based on Otsu's classical algorithm, choosing the suitable parameter to accomplish segmentation. Use Laplacian of Gaussian operator to detect edge of target areas.**
- ∅ **Area Recognition: Straight lines detecting and linking by the method of Hough Transform**

## **PUBLICATIONS**

**1. Yuyong Cui, Zhiyuan Zeng, Bitao Fu, Mu Zhou, "Remote Sensing Image Classification Method Based On Support Vector Machine And Edge Extraction". Submitting to World Congress on Computer Science and Information Engineering (CSIE2009)**

**2. Xiaojun Tan, Mu Zhou, Xiang Zuo, Yuyong Cui, "Integration WebGIS with AJAX and XML Based on Google Maps" IEEE International Conference on Intelligent Networks and Intelligent Systems (ICINIS 2008)**

**3. Bo Li, Zhiyuan Zeng, Jianzhong Zhou, Mu Zhou, "An Adaptive Algorithm for License Plate Orientation and Character Segmentation", IEEE Pacific-Asia Workshop on Computational Intelligence and Industrial Application. 2008**

## **ASSISTANT EXPERIENCE**

2006.9—Present: Research Assistant of Laboratory

2007.11: As volunteer joined International Conference on Spatial Information Technology (ICSIT 2007) by 10-11, November 2007, Huazhong University of Sci. & Tech, mainly in charge of drafting files, organizing the sessions of the conference.

## **ENGLISH PROFICIENCY**

**IELTS (International English Language Test System) : OVERALL 6.5**

**GRE : OVERALL 1190 (Quantitative score 800)**

## **CAPABILITIES & SKILLS**

Proficient with MATLAB.

Master C/C++ Language Programming, .Net, C#.

## **AWARDS**

2006.9: Scholarship for the graduate study

2002-2006.6: Excellent Undergraduate of University for three times