Xiang-zeng ZHOU

BIOGRAPHICAL

AFFILIATION	School of Computer Science, Northwestern Polytechnical University
ADDRESS	No. 127, West Youyi Road, Northwestern Polytechnical University, Xi'an, Shaanxi Province, China, 710072

INTERESTS   object detection, object tracking, pattern recognition, machine learning

ONLINE

WEBSITE	zenhacker.github.io
GITHUB	github.com/zenhacker
EMAIL	xiangzengzhou@gmail.com

EDUCATION

JUL. 2010 - PRESENT	**Ph.D.**	COMPUTER SCIENCE & TECHNOLOGY	**Northwestern Polytechnical University**
SEPT. 2006 - JUL. 2010	**B.S.**	COMPUTER SCIENCE & TECHNOLOGY	**Northwestern Polytechnical University**

RESEARCH EXPERIENCE

2011.5 - 2011.12

Towards a Queue-Aware ATM: Monitoring and Managing Queues in front of ATMs

In order to monitoring queues in front of ATMs, apply stereo camera real-time object tracking approach. With the aid of camera's real-time tracking, develop a simple application system which can give customer a suggested queue and estimated queuing time.

2010.9

Keyword Spotting based Real-time Dialog System

Make a question-set limited Dialog System implemented by Keyword Spotting approach with improved Online Garbage Model. My main task is proposing a improved method based on Online Garbage Keyword Spotting Model.

2010.9

Keyword Spotting Tool

Make a Keyword Spotting Tool which user can dynamically add or remove keywords by hand.

SKILLS & LANGUAGES

- • • C
- • • Python
- • • Matlab
- • • Bash
- • • English
- • • Emacs
- • • OpenCV
- • • Git
- • • Linux
- • • LaTeX

PUBLICATIONS

[1] **Xiangzeng Zhou**, Qiang Huang, Lei Xie, and Stephen J. Cox. A two layered data association approach for ball tracking. In *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, Vancouver, Canada, 2013.

[2] Qiang Huang, Stephen J. Cox, **Xiangzeng Zhou**, and Lei Xie. Detection of ball hits in a tennis game using audio and visual information. In *IEEE Asia-Pacific Signal Information Processing Association Annual Summit and Conference (APSIPA ASC)*, pages 1–10, Hollywood, California, 2012.

[3] Bingfeng Li, Lei Xie, **Xiangzeng Zhou**, Zhonghua Fu, and Yanning Zhang. Real-time speech-driven virtual avatar. In *National Conference on Man-Machine Speech Communication (NCMMSC)*, Xi'an, China, 2011.

[4] Jianwei Niu, Lei Xie, Xiaoming Lu, **Xiangzeng Zhou**, and Yanning Zhang. Multi-confidence feature integration for utterance rejection in robust speech recognition. In *National Conference on Man-Machine Speech Communication (NCMMSC)*, page 4, Xi'an, China, 2011.

[5] Lei Xie, Wenhuai Zhao, **Xiangzeng Zhou**, Xiaohai Tian, Bingfeng Li, Naicai Sun, Yali Zhao, and Yanning Zhang. Speech and auditory interfaces for ubiquitous, immersive and personalized applications. In *Immersive and Personalized Applications, Ubiquitous Intelligence Computing and the 7th International Conference on Autonomic Trusted Computing (UIC/ATC)*, Xi'an, China, 2010.

Honors/Awards

2010	First Prize Scholarship of Northwestern Polytechnical University
2009	National Endeavor Scholarship
2009	First Prize of C Programming Contest of Northwestern Polytechnical University
2009	First Prize Scholarship of Northwestern Polytechnical University
2008	National Endeavor Scholarship
2008	First Prize Scholarship of Northwestern Polytechnical University
2007	Second Prize of ACM Programming Contest of Northwestern Polytechnical University
2007	First Prize Scholarship of Northwestern Polytechnical University
2007	Third Prize of Mathematical Modeling Contest of Northwestern Polytechnical University

Activities

May 30, 2013	**Poster Presentation** on ICASSP 2013
Mar., 2012 - Sept., 2012	**Visiting Researcher** at University of East Anglia, Norwich, U.K.
Apr., 2011 - Oct., 2011	**Conference Organizing Committee Member** for APSIPA ASC 2011
Nov. 23 - 25, 2010	**Oral Presentation** on ICALIP 2010
Oct. 26 - 29, 2010	**Invited Demonstration** for UIC/ATC 2010
Jul., 2009	**Intern** at China Pacific Insurance (Group) Co., Ltd.
Jun., 2009	**Intern** at KunShan (Suzhou) Ambow Software Training Base