

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

ONLINE

WEBSITE xenuts.github.io
GITHUB github.com/xenuts
EMAIL xenuts@gmail.com
LINKEDIN [xiangzeng-zhou](https://www.linkedin.com/in/xiangzeng-zhou)

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

EDUCATION

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

PROJECT 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	• • Bash	• • • OpenCV	• • \LaTeX
• • Python	• • English	• • Git	
• • • Matlab	• • Emacs	• • Linux	

PUBLICATIONS

- [1] **Xiangzeng Zhou**, Lei Xie, Qiang Huang, and Stephen J. Cox. Tennis ball tracking using a two-layered data association approach. *IEEE Transactions on Multimedia (TMM)*, 2014 (Under Review).
- [2] **Xiangzeng Zhou**, Lei Xie, Peng Zhang, and Yanning Zhang. An ensemble of deep neural networks for object tracking. In *IEEE International Conference on Image Processing (ICIP)*, Paris, France, 2014 (Accepted).
- [3] **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.
- [4] 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.
- [5] 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.
- [6] 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.
- [7] Lei Xie, Wenhui 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