

## Education

- 2013–now **Ph.D candidate in Signal and Information Processing(SIP)**, *University of Chinese Academy of Sciences*, Expected 2018.
- 2009–2013 **B.E in Electronic Engineering(EE)**, *Xidian University*.

## Research

- \* Artificial intelligence, machine learning and computer vision.
- \* Holistic scene understanding, mainly focus on Driver Assistant System and driverless cars.
- \* Traffic scene understanding, including road detection, semantic parsing, anomaly detection.

## Publications

- 2015.11 Yuan Yuan, **Zhiyu Jiang**, Qi Wang, "Video-based Road Detection via Online Structural Learning," *Neurocomputing*, vol. 168, pp. 336-347, 2015. (SCI, EI) .
- 2014.07 **Zhiyu Jiang**, Qi Wang, Yuan Yuan, "Adaptive Road Detection towards Multiscale-Multilevel Probabilistic Analysis," *Proc. IEEE China Summit and International Conference on Signal and Information Processing*, pp. 698-702, July 2014. (EI, CPCI(ISTP), **Best Paper Award**) .
- 2015.04 Yuan Yuan, Qi Wang, and **Zhiyu Jiang**, "Monocular Vision Based Road Detection Method," 201510076619.5, 2015. (Patent).

## Professional Activities

### Reviewer

- \* IEEE Transactions on Cybernetics (IEEE).
- \* Pattern Recognition (Elsevier).
- \* Neurocomputing (Elsevier).
- \* Int'l Conf. Computer Science and Mechanical Automation (CSMA2016), *TPC member*.
- \* Int'l Conf. Software Engineering and Application (ICSEA2016), *TPC member*.
- \* Int'l Conf. Electronic and Information Technology (ICEIT2016), *TPC member*.
- \* European Signal Processing Conference (EUSIPCO2016).
- \* Int'l Conf. Data Mining and Big Data (DMBD2016).
- \* Int'l Conf. Image and Signal Processing (ICISP2016).
- \* Int'l Conf. Electrical, Mechanical and Industrial Engineering (ICEMIE2016), *TPC member*.
- \* Int'l Conf. Machine learning and Signal Processing (MALSIP2015).
- \* IEEE Int'l Conf. Systems, Man, and Cybernetics(SMC2015).

### Reports

- \* Adaptive Road Detection towards Multiscale-Multilevel Probabilistic Analysis, *IEEE China Summit and International Conference on Signal and Information Processing, July 2014, Xi'an*.

## Awards

- 2015.09 **Merit Student**, *University of Chinese Academy of Sciences*.
- 2014.07 **IEEE ChinaSIP 2014 Best Paper Award**, *IEEE International Conference*.
- 2013.05 **Outstanding Scholarship for College Students**, *University of Chinese Academy of Sciences*.
- 2011.10 **National Endeavor Fellowship**, *P.R. China*.