

# Dr. Lixing Jiang



## Background

- Since October, 2011, Ph.D candidate at the Department of Cognitive Systems, Universität Tübingen
- From September 2009 - June 2011, Master of Computer Science, Southwest Jiaotong University, China
- From September 2005 - January 2007, Minor of Business Administration, Lanzhou Jiaotong University, China
- From September 2004 - June 2008, Bachelor of Computer Science, Lanzhou Jiaotong University, China

## Research Interests

- Object tracking and recognition
- Computer/Robot vision
- Mobile robots

## Awards and honors

- 2011: [Image Annotation Using the Machine Learning Algorithms](#) (award for the Excellent MA Theses of Southwest Jiaotong University), Chengdu, China

## Publications

- [1] Lixing Jiang, Huimin Lu, My Vo Duc, Artur Koch, and Andreas Zell. Superpixel segmentation based gradient maps on RGB-D dataset. In *IEEE International Conference on Robotics and Biomimetics (ROBIO)*, Zhuhai, China, December 2015.
- [2] Lixing Jiang, Artur Koch, and Andreas Zell. Salient regions detection for indoor robots using RGB-D data. In *IEEE International Conference on Robotics and Automation (ICRA)*, Seattle, USA, May 2015.
- [3] Huimin Lu, Lixing Jiang, and Andreas Zell. Long range traversable region detection based on superpixels clustering for mobile robots. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, Hamburg, Germany, Sept. 2015.
- [4] My Vo Duc, Lixing Jiang, and Andreas Zell. Real time multiple person detection and tracking using RGB-D images for mobile robots. In *IEEE International Conference on Robotics and Biomimetics 2014*, Bali, Indonesia, December 2014.
- [5] Lixing Jiang, Artur Koch, and Andreas Zell. Object recognition and tracking for indoor robots using an RGB-D sensor. In *International Conference on Intelligent Autonomous Systems (IAS-13)*, Padova, Italy, July 2014.
- [6] Lixing Jiang, Artur Koch, Sebastian A. Scherer, and Andreas Zell. Multi-class fruit classification using RGB-D data for indoor robots. In *IEEE International Conference on Robotics and Biomimetics (ROBIO)*, Shenzhen, China, December 2013.
- [7] Lixing Jiang and Jin Hou. Image annotation using the ensemble learning. *Acta Automatica Sinica*, 38(8):1257--1262, August 2012. [ [link](#) ]
- [8] Jin Hou, Dengsheng Zhang, Zeng Chen, Lixing Jiang, Huazhong Zhang, and Xue Qin. Web image search by automatic image annotation and translation. In *17th International Conference on Systems, Signals and Image Processing (IWSSIP'10)*, Rio de Janeiro, Brazil, June 2010. [ [pdf](#) ]
- [9] Lixing Jiang, Jin Hou, Zeng Chen, and Dengsheng Zhang. Automatic image annotation based on decision tree machine learning. In *IEEE International Conference on Cyber-Enabled Distributed Computing and Knowledge Discovery (CyberC'09)*, pages 170--175, Zhangjiajie, China, October 2009. [ [link](#) ]

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