

Peiliang LI

CONTACT INFORMATION	Clear Water Bay, Kowloon, Hong Kong	+852 5224 9248 pliap@connect.ust.hk
RESEARCH INTERESTS	Visual-inertial State Estimation, UAV navigation, Augmented Reality Computer Vision, Machine Learning, 3D Object Detection and Tracking	
EDUCATION	Hong Kong University of Science and Technology , Hong Kong, China Ph.D., Electronic & Computer Engineering, Sep 2016 - Jun 2021 (<i>Expected</i>) <ul style="list-style-type: none">• Advisors: Prof. Shaojie SHEN University of Science and Technology of China , Hefei, China B.S., Electronics Science and Technology, Sep 2012 - Jun 2016 <ul style="list-style-type: none">• Thesis of Bachelor: Design and Implementation of Visual-Inertial Odometry• Advisor: Prof. Bensheng Qiu, Wei Lu	
EXPERIENCE	Teaching Assistant Mar 2017 - Jun 2017 & Mar 2018 - Present Hong Kong University of Science and Technology, ELEC 1110: Introduction to Electronic Robot Design Teaching Assistant Sep 2017 - Dec 2017 Hong Kong University of Science and Technology, ELEC 5660: Introduction to Aerial Robotics Algorithm Intern Jul 2015 to Aug 2016 DJI-Innovations Ltd, Shenzhen Moving object estimation and following, GPS-IMU fusion on mobile phone	
PUBLICATIONS & PREPRINT	<ol style="list-style-type: none">1. P. Li, T. Qin, S. Shen. "Stereo Vision-based Semantic 3D Object and Ego-motion Tracking for Autonomous Driving." <i>European Conference Computer Vision (ECCV 2018 accepted)</i>.2. T. Qin, P. Li, S. Shen. "VINS-Mono: a Robust and Versatile Monocular Visual-Inertial State Estimator." <i>IEEE Transactions on Robotics (TR-O 2018 accepted)</i>.3. T. Qin, P. Li, S. Shen. "Relocalization, global optimization and map merging for monocular visual-inertial SLAM." To appear in <i>In Proc. of the IEEE International Conference on Robotics and Automation (ICRA)</i>, Brisbane, Australia, May 2018.4. P. Li, T. Qin, B. Hu, F. Zhu, S. Shen. "Monocular Visual-inertial State Estimation for Mobile Augmented Reality." <i>In Proc. of the IEEE International Symposium on Mixed and Augmented Reality (ISMAR)</i>, pages 11-21, Nantes, France, October 2017.	
AWARDS	Travel Awards <ul style="list-style-type: none">• ISMAR conference, Nantes, France. Oct 2017 Student Awards — University of Science and Technology of China <ul style="list-style-type: none">• The Best Creative Award for DJI Developer Challenge Feb 2015• The first Prize for USTC Electric Design Game Oct 2014• "Guosheng Sun" Leadership Scholarship Sep 2014• "Li Liu" Leadership Scholarship Sep 2013• The Runner-Up for USTC RoboGame Oct 2013	