

Jing Chen

Address Room 2014, CYT Building, HKUST
Clear Water Bay, Kowloon, Hong Kong SAR

E-mail jchenbr@connect.ust.hk
Phone (+852)65610178

Education

Hong Kong Univ. of Sci. & Tech.	Hong Kong, China	Aug. 2016
MPhil (with scholarship 15k hkd/m)	TOEFL iBT 100	GGA:3.8/4.0
Harbin Institute of Technology	Harbin, China	July 2014
B.Eng in Computer Sci. & Tech.	Grade: 86.89	Rank: 25/209

Publication

J. Chen, T. Liu, S. Shen, *Tracking a Moving Target in Cluttered Environments Using a Quadrotor*, in Proceedings of the IEEE international conference on Robotics and Systems (IROS), Daejeon, Korean, Oct. 2016.

J. Chen, T. Liu, S. Shen, *Online Generation of Collision-Free Trajectories for Quadrotor Flight in Unknown Cluttered Environments*, in Proceedings of the IEEE international conference on Robotics and Automation (ICRA), Stockholm, Sweden, May. 2016.

J. Chen, K. Su, S. Shen, *Real-Time Safe Trajectory Generation for Quadrotor Flight in Cluttered Environments*, in Proceedings of the IEEE international conference on Robotics and Biomimetics (ROBIO), Zhuhai, China, Nov. 2015.

Project & Intern

Autonomous UAV Flight, in unknown cluttered environment. 2014-2016

- The system works onboard a quadrotor with real-time efficiency;
- The system guarantee safety for autonomous UAV flight;
- <http://www.ece.ust.hk/~eeshaojie/icra2016jing.mp4>.

Autonomously Tracking of A moving Target using a UAV, with obstacle avoidance. 2015-2016

- The target motion is predicted by fusing the measurements of target position;
- The system has safety guarantee, real-time efficiency and dynamical feasibility;
- <http://www.ece.ust.hk/~eeshaojie/iros2016jing.mp4>.

Intern, at Machine Learning Group of **Microsoft Research Asia**. Summer 2013

- Dealed with fine-grained named entity recognition on web text;
- Implemented algorithms are designed to analyze entire Wikipedia;
- Deployed the algorithms in a parallel fashion on clutters platform (MS-COSMOS).

Honors & Awards

HKUST Postgraduate Studentship	2014-2016
Gold medal in ACM-ICPC National Invitational Programming Contest.	2012
Three Silver medals in ACM-ICPC Asia Regional Contests.	2011-2012
Two First Prizes in National Olympiad in Informatics in Provinces	2008-2009
Twice awarded National Encouragement scholarship.	2012,2013
Three times awarded People's Scholarship.	2010-2012
Google Code Jam 3rd round.	2012

Experience & Skills

C/C++ (four years) , Python (two months)
Robot Motion Planning, Convex Optimization, Algorithm Design
Robot programming(two year experience on Robot Operating System)
Parallel cluster programming (two months using MS-COSMOS)