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Jun Zhang

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Education

2016.11 - present	Ph.D. in College of Engineering and Computer Science, Australian National University	Canberra
2012.09 - 2015.04	M.Sc. in School of Aeronautics, Northwestern Polytechnical University	Xi'an
2008.09 - 2012.06	B.Eng. in School of Aeronautics, Northwestern Polytechnical University	Xi'an

Research Experience

2016.11 - present	PhD candidate, ANU & ACRV Supervisors: Dr. Viorela Ila, Dr. Laurent Kneip, Prof. Robert Mahony. Visual odometry/SLAM in underwater and dynamic scenes.	Canberra
2015.10 - 2016.01	Research assistant, Multimedia Lab, SIAT Supervisors: Dr. Yu Qiao Face recognition and reconstruction.	Shenzhen
2014.05 - 2015.09	Research assistant, Institute of Computer Science and Technology, PKU Supervisors: Dr. Zouhui Lian Non-rigid 3D shape retrieval.	Beijing
2015.01 - 2015.04	Master thesis, School of Aeronautics, NWPU Supervisors: Prof. Zhenbao Liu, Prof. Shuhui Bu. Mesh segmentation and 3D object retrieval.	Xi'an

Publications

- [1] **Jun Zhang***, Mina Henein*, Robert Mahony and Viorela Ila, "Speed SLAM: A Robust Object-aware Dynamic SLAM System", Journal paper under review. [* denotes equal contribution]
- [2] **Jun Zhang**, Mina Henein, Robert Mahony and Viorela Ila, "Robust Ego and Object 6-DoF Motion Estimation and Tracking", Conference paper under review.
- [3] Mina Henein, **Jun Zhang**, Robert Mahony and Viorela Ila, "Dynamic SLAM: The Need for Speed", ICRA 2020.
- [4] **Jun Zhang** and Viorela Ila, "Multi-frame Motion Segmentation for Dynamic Scene Modelling", ACRA 2018.
- [5] **Jun Zhang**, Viorela Ila and Laurent Kneip, "Robust Visual Odometry in Underwater Environment", OCEANS 2018.
- [6] Zhouhui Lian, **Jun Zhang** and et. al, "SHREC'15 Track: Non-rigid 3D Shape Retrieval", Eurographics 3DOR 2015.
- [7] **Jun Zhang**, Zhouhui Lian, Zhenbao Liu and Jianguo Xiao, "CEFM: A Heuristic Mesh Segmentation Method based on Convexity Estimation and Fast Marching", VISIGRAPP 2015.

Awards

2016-2020	Award of PhD Scholarship and University Research Scholarship, ANU.
2012-2015	Award of the Second Prize of the National Scholarship, NWPU.
2009	Award of the Third Prize of the Mathematical contest in modeling, NWPU.

Skills

Programming Skills: C/C++, Matlab, Python.

Specialized Software: Meshlab, 3DMax, Geomagic.

Language Skills: Mandarin, English.

Academic Services

Reviewer for academic conferences: ICRA, IROS.

Personalities & Hobbies

I am energetic, confident, open-minded and humorous, and have a broad hobby: Soccer, Photography, Travel, Auto, Electronics, etc.