

Address: #115 North Rd Acton, Canberra, Australia

# Jun Zhang

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Homepage: <https://halajun.github.io/>

## Education

2016.11 - present	Ph.D. Candidate at College of Engineering and Computer Science, Australian National University (ANU)	Canberra
2012.09 - 2015.04	M.Sc.Eng. of Vehicle Operation Engineering, School of Aeronautics, Northwestern Polytechnical University (NPU)	Xi'an
2008.09 - 2012.06	B.Eng. of Electrical Engineering and Automation, School of Aeronautics, Northwestern Polytechnical University (NPU)	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 Building 3D/2D Face Database for 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, NPU Supervisors: Dr. Zhenbao Liu, Dr. Shuhui Bu. Mesh Segmentation and 3D Object Retrieval.	Xi'an

## Publications

- [1] **Jun Zhang**\*, Mina Henein\*, Robert Mahony and Viorela Ila, "VDO-SLAM: A Visual Dynamic Object-aware SLAM System", submitted to International Journal of Robotics Research (**IJRR**). [\*equally contributed]
- [2] **Jun Zhang**, Mina Henein, Robert Mahony and Viorela Ila, "Robust Ego and Object 6-DoF Motion Estimation and Tracking", **IROS** 2020.
- [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

2019-2020	Award of ACRV HDR Scholarship Top-up, ACRV, ANU.
2016-2020	Award of PhD Scholarship and University Research Scholarship, ANU.
2012-2015	Award of the Second Prize of the National Scholarship, NPU.
2009	Award of the Third Prize of the Mathematical Contest in Modeling, NPU.

## Skills

**Programming Language:** C/C++, Matlab, Python.

**Specialized Software:** ROS, OpenCV, Meshlab, 3DMax, Geomagic.

**Language Skills:** Mandarin, English.

## Academic Services

Reviewer for academic conference and journal: ICRA 2020/21, IROS 2020, TASE;

## Personalities & Hobbies

I am energetic, confident, open-minded, and a man of wide interests: soccer, photography, travel, auto, digital products, etc.