

# Yakun Ju, Ph.D.

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## Education

**Sichuan University**

Sept 2012 – Jun 2016

Bachelor of Engineering

**Ocean University of China**

Sept 2016 – Jun 2018 – Jun 2022

Ph.D. in Computer Science (successive master-doctor)

- Thesis: Deep Learning Models for Non-Lambertian Photometric Stereo

- Advisor: Professor Junyu Dong

## Research Experience

**Nanyang Technological University**

Sept 2023 – Present

Research Fellow, ROSE Lab, School of EEE, Advisor: Professor Alex C. Kot

**The Hong Kong Polytechnic University**

Sept 2022 – Sept 2023

Postdoctoral Fellow, Department of EEE, Advisor: Professor Kin-Man Lam

**The Hong Kong Polytechnic University**

Jan 2021 – Jul 2021

Research Assistant, Department of EEE, Advisor: Professor Kin-Man Lam

**Peking University**

Sept 2020 – Dec 2020

Visiting Ph.D. Student, Wangxuan Institute of Computer Technology, Advisor: Professor Yuxin Peng

## Selected Publications

**Yakun Ju**, Boxin Shi, Muwei Jian, Lin Qi, Junyu Dong, and Kin-Man Lam, *Normattention-psn: A High-Frequency Region Enhanced Photometric Stereo Network with Normalized Attention*, International Journal of Computer Vision, 2022

**Yakun Ju**, Junyu Dong, and Sheng Chen, *Recovering surface normal and arbitrary images: A Dual Regression Network for Photometric Stereo*, IEEE Transactions on Image Processing, 2021

**Yakun Ju**, Boxin Shi, Yang Chen, Huiyu Zhou, Junyu Dong, Kin-Man Lam, *GR-PSN: Learning to Estimate Surface Normal and Reconstruct Photometric Stereo Images*, IEEE Transactions on Visualization and Computer Graphics, 2023

**Yakun Ju**, Muwei Jian, Cong Wang, Cong Zhang, Junyu Dong, and Kin-Man Lam, *Estimating High-resolution Surface Normals via Low-resolution Photometric Stereo Images*, IEEE Transactions on Circuits and Systems for Video Technology, 2023

**Yakun Ju**, Muwei Jian, Shaoxiang Guo, Yingyu Wang, Huiyu Zhou, and Junyu Dong, *Incorporating Lambertian Priors Into Surface Normals Measurement*, IEEE Transactions on Instrumentation and Measurement, 2021

**Yakun Ju**, Kin-Man Lam, Yang Chen, Lin Qi, and Junyu Dong, *Pay Attention to Devils: A Photometric Stereo Network for Better Details*, IJCAI, 2020 (12.6% acceptance rate)

## Community Services

**Reviewer:** IJCV, TVCG, TMM, TCSVT, etc.

**Associate Editor:** Metaverse, Intelligent Marine Technology and Systems, Photonics (Guest Editor)

**Session Chair:** IEEE ICME 2023, in Session: 3D & Depth II

## Selected Awards

2022 ACM Qingdao Chapter Outstanding Doctoral Dissertation Award (3 in Qingdao/ 73 in nationwide)

2022 Outstanding Graduates of Shandong Province (for top 5% graduates)

2020 National Scholarship for Doctoral Students (for top 1% Ph.D. students)

2020 Excellent Achievement Award for Postgraduates of Shandong Province