Yakun Ju, Ph.D.

Address: ROSE-Lab, EEE, Nanyang Technological University, 50 Nanyang Avenue, Singapore, 639798
Email: kelvin.yakun.ju@gmail.com | Homepage: https://kelvin-ju.github.io/yakunju/

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, Department 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, 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, I*ncorporating 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, TCSVT, *etc*.
Guest Editor: Photonics (SCI, IF=2.4) *SI:* Advanced photometric 3D reconstruction and beyond
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