

Heng Guo

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EDUCATION

University of Electronic Science and Technology of China (UESTC) <i>Bachelor of Electronic Engineer</i>	Chengdu, China <i>Aug. 2015 – Sep. 2011</i>
University of Electronic Science and Technology of China (UESTC) <i>Master of Signal Processing</i>	Chengdu, China <i>Aug. 2018 – Sep. 2015</i>
Osaka University <i>Doctor of Computer Science</i>	Osaka, Japan <i>Present – Sep. 2018</i>

EXPERIENCE

Research Assistant <i>Osaka University</i>	Oct. 2018 – Present <i>Osaka, Japan</i>
Research Intern <i>AI lab of Qihoo 360 Technology Co. Ltd.</i>	June 2016 – Jan. 2017 <i>Beijing, China</i>

- Propose a real-time video stabilization algorithm for user-captured videos with 0.5s delay.
- Implement an android application for real-time video stabilization.

HONORS

Excellent Master Thesis of UESTC (Top 3%)	June 2018
Excellent Postgraduate of UESTC (Top 6%)	June 2018
National Scholarship of China (Top 2%)	Oct. 2017
Academic Scholarship of UESTC (Top 10%)	2015 & 2016 & 2017
Excellent Graduate of UESTC (Top 7%)	Sep. 2015
The 1st Prize of National College Student Information Security Contest	July 2014
The 2nd Prize of National Undergraduate Electronics Design Contest	Sep. 2013
People's Scholarship (Top 15%)	2011 & 2012 & 2013
Outstanding Individual in Social Practice	Sep. 2012

PUBLICATION

- Guo Heng, et al. "Patch-based uncalibrated photometric stereo under natural illumination" IEEE Transactions on Pattern Analysis and Machine Intelligence. (**TPAMI 2021**).
- Guo Heng, et al. "Multispectral Photometric Stereo for Spatially-Varying Spectral Reflectances: A well posed problem?" IEEE Conference on Computer Vision and Pattern Recognition. (**CVPR 2021**).
- Guo Heng, et al. "Self-calibrating Near-light Photometric Stereo under Anisotropic Light Emission." Meeting on Image Recognition and Understanding (**MIRU 2020 Best student paper**).
- Guo Heng, et al. "Joint video stitching and stabilization from moving cameras." IEEE Transactions on Image Processing (**TIP 2016**).
- Guo Heng, et al. "View-consistent meshflow for stereoscopic video stabilization." IEEE Transactions on Computational Imaging (**TCI 2018**).
- Guo Heng, et al. "Joint bundled camera paths for stereoscopic video stabilization." IEEE International Conference on Image Processing (**ICIP 2016 Oral**).
- Guo Heng, et al. "Multispectral Photometric Stereo for Spatially-Varying Spectral Reflectances" International Journal of Computer Vision. (IJCV minor revision).

SKILLS

Program language: Java, Python, C/C++
Certificacts: TOEFL (95), CET-6 (527)