

# Heng Guo

070-1322-8279 | [heng.guo@ist.osaka-u.ac.jp](mailto:heng.guo@ist.osaka-u.ac.jp) | [Homepage](#)

## EDUCATION

---

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

## EXPERIENCE

---

<b>Research Assistant</b> <i>Osaka University</i>	Oct. 2018 – Present <i>Osaka, Japan</i>
<b>Research Intern</b> <i>AI lab of Qihoo 360 Technology Co. Ltd.</i>	June 2016 – Jan. 2017 <i>Beijing, China</i>
<ul style="list-style-type: none"><li>Propose a real-time video stabilization algorithm for user-captured videos with 0.5s delay.</li><li>Implement an android application for real-time video stabilization.</li></ul>	

## 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

---

- [1] 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).
- [2] 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**)
- [3] Guo Heng, et al. "Joint video stitching and stabilization from moving cameras." IEEE Transactions on Image Processing 25.11 (2016): 5491-5503.
- [4] Guo Heng, et al. "View-consistent meshflow for stereoscopic video stabilization." IEEE Transactions on Computational Imaging 4.4 (2018): 573-584.
- [5] Guo Heng, et al. "Joint bundled camera paths for stereoscopic video stabilization." IEEE International Conference on Image Processing (ICIP 2016). (**Oral**)
- [6] Guo Heng, et al. "Multispectral Photometric Stereo for Spatially-Varying Spectral Reflectances" International Journal of Computer Vision. (IJCV under review).
- [7] Guo Heng, et al. "Patch-based uncalibrated photometric stereo under natural illumination" IEEE Transactions on Pattern Analysis and Machine Intelligence. (TPAMI under review).

## SKILLS

---

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