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## Journal Articles

- [J1] Haefner, B., Ye, Z., Gao, M., Wu, T., Queau, Y., Cremers and D.,  
**Variational Uncalibrated Photometric Stereo under General Lighting**,  
*arXiv preprint arXiv:1904.03942*, 2019.
- [J2] Queau, Y., Durix, B., Wu, T., Cremers, D., Lauze, F., Durou and J.-D.,  
**LED-based Photometric Stereo: Modeling, Calibration and Numerical Solution**,  
*Journal of Mathematical Imaging and Vision*, 60(3): 313-340, 2018.
- [J3] Queau, Y., Durou, J.-D., Aujol and J.-F.,  
**Normal Integration: A Survey**,  
*Journal of Mathematical Imaging and Vision*, 60(4): 576-593, 2018.
- [J4] Queau, Y., Durou, J.-D., Aujol and J.-F.,  
**Variational Methods for Normal Integration**,  
*Journal of Mathematical Imaging and Vision*, 60(4): 609-632, 2018.
- [J5] Melou, J., Queau, Y., Durou, J.-D., Castan, F., Cremers and D.,  
**Variational Reflectance Estimation from Multi-view Images**,  
*Journal of Mathematical Imaging and Vision*, 2018.
- [J6] Haefner, B., Peng, S., Verma, A., Queau, Y., Cremers and D.,  
**Photometric Depth Super-Resolution**,  
*Submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI) Special Issue on RGB-D Vision: Methods and Applications*, 2018.
- [J7] Queau, Y., Mecca, R., Durou, J.-D., Descombes and X.,  
**Photometric Stereo with Only Two Images: A Theoretical Study and Numerical Resolution**,  
*Image and Vision Computing*, 57: 175-191, 2017, **Editor's choice**.
- [J8] Bähr, M., Breus, M., Queau, Y., Bouroujerdi, A. S., Durou and J.-D.,  
**Fast and accurate surface normal integration on non-rectangular domains**,  
*Computational Visual Media*, 3: 107-129, 2017.
- [J9] Mecca, R., Queau, Y., Logothetis, F., Cipolla and R.,  
**A Single-Lobe Photometric Stereo Approach for Heterogeneous Material**,  
*SIAM Journal on Imaging Sciences*, 9(4): 1858-1888, 2016.

## Conference and Workshop Papers

- [C1] Haefner, B., Queau, Y., Möllenhoff, T., Cremers and D.,  
**Fight ill-posedness with ill-posedness: Single-shot variational depth super-resolution from shading**,  
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2018, **Spotlight Presentation**.
- [C2] Queau, Y., Pizenberg, M., Durou, J.-D., Cremers and D.,  
**Microgeometry capture and RGB albedo estimation by photometric stereo without demosaicing**,  
*International Conference on Quality Control by Artificial Vision (QCAV)*, 2017.

- [C3] Queau, Y., Melou, J., Durou, J.-D., Cremers and D.,  
**Dense Multi-view 3D-reconstruction Without Dense Correspondences**,  
*ArXiv preprint 1704.00337*, 2017.
- [C4] Queau, Y., Pizenberg, M., Cremers, D., Durou and J.-D.,  
**Stereophotometrie microscopique sans demosaillage**,  
*GRETSI*, Juan-les-Pins, USA, 2017.
- [C5] Queau, Y., Melou, J., Castan, F., Cremers, D., Durou and J.-D.,  
**A Variational Approach to Shape-from-shading Under Natural Illumination**,  
*Energy Minimization Methods in Computer Vision and Pattern Recognition (EMMCV-PR)*, 2017.
- [C6] Peng, S., Haefner, B., Queau, Y., Cremers and D.,  
**Depth Super-Resolution Meets Uncalibrated Photometric Stereo**,  
*International Conference on Computer Vision Workshops (ICCVW)*, 2017, **Oral Presentation at ICCV Workshop on Color and Photometry in Computer Vision.**