

Journal Publications

- [J1] 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.
- [J2] 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.
- [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] 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.**
- [J7] 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.
- [J8] 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.

Publications at Conferences and Workshops

- [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., Wu, T., Cremers and D.,
Semi-Calibrated Near-Light Photometric Stereo,
International Conference on Scale Space and Variational Methods in Computer Vision (SSVM), Kolding, Denmark, Lecture Notes in Computer Science, Vol. , , 2017.
- [C4] Melou, J., Queau, Y., Durou, J.-D., Castan, F., Cremers and D.,
Beyond Multi-view Stereo: Shading-Reflectance Decomposition,
International Conference on Scale Space and Variational Methods in Computer Vision (SSVM), Kolding, Denmark, Lecture Notes in Computer Science, Vol. , , 2017.
- [C5] Lauze, F., Queau, Y., Plenge and E.,
Simultaneous Reconstruction and Segmentation of CT Scans with Shadowed Data,
International Conference on Scale Space and Variational Methods in Computer Vision (SSVM), Kolding, Denmark, Lecture Notes in Computer Science, Vol. , , 2017.
- [C6] Queau, Y., Wu, T., Lauze, F., Durou, J.-D., Cremers and D.,
A Non-Convex Variational Approach to Photometric Stereo under Inaccurate Lighting,
Honolulu, USA, 2017.
- [C7] Queau, Y., Melou, J., Durou, J.-D., Cremers and D.,
Dense Multi-view 3D-reconstruction Without Dense Correspondences,
ArXiv preprint 1704.00337, 2017.
- [C8] Queau, Y., Pizenberg, M., Cremers, D., Durou and J.-D.,
Stereophotometrie microscopique sans mosaïquage,
GRETSI, Juan-les-Pins, USA, 2017.
- [C9] 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.
- [C10] 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.**