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List of Publications

Journal Articles

[J1] B. Haefner, S. Peng, A. Verma, Y. Queau and D. Cremers, 
**Photometric Depth Super-Resolution**, 

[J2] Y. Queau, B. Durix, T. Wu, D. Cremers, F. Lauze and J.-D. Durou, 
**LED-based Photometric Stereo: Modeling, Calibration and Numerical Solution**, 

[J3] Y. Queau, J.-D. Durou and J.-F. Aujol, 
**Normal Integration: A Survey**, 

[J4] Y. Queau, J.-D. Durou and J.-F. Aujol, 
**Variational Methods for Normal Integration**, 

[J5] J. Melou, Y. Queau, J.-D. Durou, F. Castan and D. Cremers, 
**Variational Reflectance Estimation from Multi-view Images**, 

[J6] Y. Queau, R. Mecca, J.-D. Durou and X. Descombes, 
**Photometric Stereo with Only Two Images: A Theoretical Study and Numerical Resolution**, 

[J7] M. Bähr, M. Breus, Y. Queau, A. S. Bouroujerdi and J.-D. Durou, 
**Fast and accurate surface normal integration on non-rectangular domains**, 

[J8] R. Mecca, Y. Queau, F. Logothetis and R. Cipolla, 
**A Single-Lobe Photometric Stereo Approach for Heterogeneous Material**, 

Conference and Workshop Papers

[C1] Z. Ye, B. Haefner, Y. Queau, T. Möllenhoff and D. Cremers, 
**Sublabel-Accurate Multilabeling Meets Product Label Spaces**, 
*German Conference on Pattern Recognition (GCPR)*, 2021.

[C2] B. Haefner, Y. Queau and D. Cremers, 
**Photometric Segmentation: Simultaneous Photometric Stereo and Masking**, 
*International Conference on 3D Vision (3DV)*, Quebec City, Canada, September 2019, *Spotlight Presentation*.

[C3] B. Haefner, Z. Ye, M. Gao, T. Wu, Y. Queau and D. Cremers, 
**Variational Uncalibrated Photometric Stereo under General Lighting**, 
*International Conference on Computer Vision (ICCV)*, Seoul, South Korea, October 2019.
[C4] B. Haefner, Y. Queau, T. Möllenhoff and D. Cremers,
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.

[C5] Y. Queau, M. Pizenberg, J.-D. Durou and D. Cremers,
Microgeometry capture and RGB albedo estimation by photometric stereo without demosaicing,

[C6] Y. Queau, T. Wu, F. Lauze, J.-D. Durou and D. Cremers,
A Non-Convex Variational Approach to Photometric Stereo under Inaccurate Lighting,
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, Honolulu, USA, 2017.

[C7] Y. Queau, J. Melou, J.-D. Durou and D. Cremers,
Dense Multi-view 3D-reconstruction Without Dense Correspondences,

[C8] Y. Queau, M. Pizenberg, D. Cremers and J.-D. Durou,
Stereophotometrie microscopique sans demosaïquage,
*GRETSI*, Juan-les-Pins, USA, 2017.

[C9] S. Peng, B. Haefner, Y. Queau and D. Cremers,
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.

[C10] Y. Queau, J. Melou, F. Castan, D. Cremers and J.-D. Durou,
A Variational Approach to Shape-from-shading Under Natural Illumination,