**2021**

**Conference and Workshop Papers**

[C1] B. Haefner, S. Green, A. Oursland, D. Andersen, M. Goesele, D. Cremers, R. Newcombe and T. Whelan,

*Recovering Real-world Reflectance Properties and Shading from HDR Image-ry,*


**2020**

**Journal Articles**

[J1] B. Haefner, S. Peng, A. Verma, Y. Queau and D. Cremers,

*Photometric Depth Super-Resolution,*


**Conference and Workshop Papers**

[C1] L. Sang, B. Haefner and D. Cremers,

*Inferring Super-Resolution Depth from a Moving Light-Source Enhanced RGB-D Sensor: A Variational Approach,*

*IEEE Winter Conference on Applications of Computer Vision (WACV)*, Colorado, USA, March 2020, **Spotlight Presentation**.

**2019**

**Conference and Workshop Papers**

[C1] 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**.

[C2] 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.

**2018**

**Conference and Workshop Papers**

[C1] 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**.

**2017**

**Conference and Workshop Papers**

[C1] 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**.