Journal Articles

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

Conference and Workshop Papers

[C1] Bylow, E., Maier, R., Kahl, F., Olsson and C.,
Combining Depth Fusion and Photometric Stereo for Fine-Detailed 3D Models,
Scandinavian Conference on Image Analysis (SCIA), Norrköping, Sweden, June 2019.

[C2] Haefner, B., Queau, Y., Möllenhoff, T., Cremers and D.,
Fight ill-posedness with ill-posedness: Single-shot variational depth super-resolution from shading,

[C3] M. Jaimez, T. J. Cashman, A. Fitzgibbon, J. Gonzalez-Jimenez and D. Cremers,
An Efficient Background Term for 3D Reconstruction and Tracking with Smooth Subdivision Surface Models,
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[C4] Dzitsiuk, M., Sturm, J., Maier, R., Ma, L., Cremers and D.,
De-noising, Stabilizing and Completing 3D Reconstructions On-the-go using Plane Priors,

[C5] Maier, R., Schaller, R., Cremers and D.,
Efficient Online Surface Correction for Real-time Large-Scale 3D Reconstruction,
British Machine Vision Conference (BMVC), London, United Kingdom, September 2017.

[C6] Maier, R., Kim, K., Cremers, D., Kautz and J.,
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[C7] Peng, S., Haefner, B., Queau, Y., Cremers and D.,
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[C9] R. Maier, J. Stueckler and D. Cremers,
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[C10] C. Kerl, J. Stueckler and D. Cremers,
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Santiago, Chile, 2015.

Model-Based Tracking at 300Hz using Raw Time-of-Flight Observations,
Santiago, Chile, 2015.

[C12] F. Steinbruecker, J. Sturm and D. Cremers,
Volumetric 3D Mapping in Real-Time on a CPU,
Hongkong, China, 2014.

[C13] J. Engel, T. Schöps and D. Cremers,
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September 2014, Oral Presentation.

[C14] T. Schöps, J. Engel and D. Cremers,
Semi-Dense Visual Odometry for AR on a Smartphone,
September 2014, Best Short Paper Award.

[C15] R. Maier, J. Sturm and D. Cremers,
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German Conference on Pattern Recognition (GCPR), Münster, Germany, September 2014.

[C16] C. Kerl, M. Souiai, J. Sturm and D. Cremers,
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[C18] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers,
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[C20] C. Kerl, J. Sturm and D. Cremers,
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[C21] T. Naseer, J. Sturm and D. Cremers,
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Keywords: Rgb-d

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[C22] M. Klodt, J. Sturm and D. Cremers,
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[C23] J. Sturm, E. Bylow, F. Kahl and D. Cremers,
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[C24] J. Sturm, E. Bylow, F. Kahl and D. Cremers,
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[C25] J. Engel, J. Sturm and D. Cremers,
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[C26] F. Steinbruecker, C. Kerl, J. Sturm and D. Cremers,
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[C27] F. Endres, J. Hess, N. Engelhard, J. Sturm, D. Cremers and W. Burgard,
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[C28] L. Zhang, J. Sturm, D. Cremers and D. Lee,
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[C29] J. Sturm, N. Engelhard, F. Endres, W. Burgard and D. Cremers,
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[C30] J. Sturm, W. Burgard and D. Cremers,
Evaluating Egomotion and Structure-from-Motion Approaches Using the TUM RGB-D Benchmark,

[C31] N. Engelhard, F. Endres, J. Hess, J. Sturm and W. Burgard,
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[C34] J. Stühmer, S. Gumhold and D. Cremers,
Real-Time Dense Geometry from a Handheld Camera,
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[C35] J. Stühmer, S. Gumhold and D. Cremers,
Parallel Generalized Thresholding Scheme for Live Dense Geometry from a Handheld Camera,
ECCV Workshop on Computer Vision on GPUs (CVGPU), Heraklion, Greece, September 2010.

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[M1] R. Maier,
Out-of-Core Bundle Adjustment for 3D Workpiece Reconstruction,
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[M2] C. Kerl,
Odometry from RGB-D Cameras for Autonomous Quadrocopters,
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