Journal Articles

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

[J2] K. Kolev, T. Brox and D. Cremers,
Fast Joint Estimation of Silhouettes and Dense 3D Geometry from Multiple Images,

[J3] D. Cremers and K. Kolev,
Multiview Stereo and Silhouette Consistency via Convex Functionals over Convex Domains,

A Variational Approach to Vesicle Membrane Reconstruction from Fluorescence Imaging,

[J5] K. Kolev, M. Klodt, T. Brox and D. Cremers,
Continuous Global Optimization in Multiview 3D Reconstruction,

[J6] B. Goldluecke, I. Ihrke, C. Linz and M. Magnor,
Weighted Minimal Hypersurface Reconstruction,

Book Chapters

[BC1] D. Cremers, T. Pock, K. Kolev and A. Chambolle,
Convex Relaxation Techniques for Segmentation, Stereo and Multiview Reconstruction,

Conference and Workshop Papers

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

[C2] 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.
Keywords: 3d-reconstruction

List of Publications

[C3] M. Dzitsiuk, J. Sturm, R. Maier, L. Ma and D. Cremers,
De-noising, Stabilizing and Completing 3D Reconstructions On-the-go using Plane Priors,

[C4] R. Maier, R. Schaller and D. Cremers,
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[C5] Peng, S., Haefner, B., Queau, Y., Cremers and D.,
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*International Conference on Computer Vision Workshops (ICCVW)*, 2017, Oral Presentation at ICCV Workshop on Color and Photometry in Computer Vision.

[C6] F. Steinbruecker, J. Sturm and D. Cremers,
Volumetric 3D Mapping in Real-Time on a CPU,
Hongkong, China, 2014.

[C7] T. Gurdan, M. R. Oswald, D. Gurdan and D. Cremers,
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[C8] M. R. Oswald and D. Cremers,
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[C9] M. R. Oswald, J. Stühmer and D. Cremers,
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[C10] G. Kuschik and D. Cremers,
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[C11] M. R. Oswald and D. Cremers,
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[C12] F. Steinbruecker, C. Kerl, J. Sturm and D. Cremers,
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[C14] J. Stühmer, S. Gumhold and D. Cremers,
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[C15] J. Stühmer, S. Gumhold and D. Cremers,

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[C16] B. Goldluecke and D. Cremers,

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Jena, Germany, 2009, Received DAGM Best Paper Award.

[C17] M. Klodt, T. Schoenemann, K. Kolev, M. Schikora and D. Cremers,

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[C18] K. Kolev, M. Klodt, T. Brox and D. Cremers,

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[C19] K. Kolev, M. Klodt, T. Brox, S. Esedoglu and D. Cremers,

Continuous Global Optimization in Multiview 3D Reconstruction,


[C20] K. Kolev, T. Brox and D. Cremers,

Robust variational segmentation of 3D objects from multiple views,


[C21] B. Goldluecke and M. Magnor,

Spacetime-Continuous Geometry Meshes from Multi-View Video Sequences,


[C22] I. Ihrke, B. Goldluecke and M. Magnor,

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[C23] M. Magnor and B. Goldluecke,

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[C24] B. Goldluecke and M. Magnor,

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[C25] B. Goldluecke and M. Magnor,

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[C26] B. Goldluecke and M. Magnor,

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