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List of Publications

[C1] Dzitsiuk, M., Sturm, J., Maier, R., Ma, L., Cremers and D.,
De-noising, Stabilizing and Completing 3D Reconstructions On-the-go using Plane Priors,

[C1] F. Steinbruecker, J. Sturm and D. Cremers,
*Volumetric 3D Mapping in Real-Time on a CPU,*
*Int. Conf. on Robotics and Automation*, Hongkong, China, 2014.

[C2] T. Gurdan, M. R. Oswald, D. Gurdan and D. Cremers,
*Spatial and Temporal Interpolation of Multi-View Image Sequences,*
*German Conference on Pattern Recognition (GCPR)*, Münster, Germany, Vol. 36, September 2014.

[C3] M. R. Oswald and D. Cremers,
*Surface Normal Integration for Convex Space-time Multi-view Reconstruction,*

[C4] M. R. Oswald, J. Stühmer and D. Cremers,
*Generalized Connectivity Constraints for Spatio-temporal 3D Reconstruction,*

[C1] G. Kuschk and D. Cremers,
*Fast and Accurate Large-scale Stereo Reconstruction using Variational Methods,*
*ICCV Workshop on Big Data in 3D Computer Vision*, Sydney, Australia, December 2013.

[C2] M. R. Oswald and D. Cremers,
*A Convex Relaxation Approach to Space Time Multi-view 3D Reconstruction,*
*ICCV Workshop on Dynamic Shape Capture and Analysis (4DMOD)*, 2013.

[C3] F. Steinbruecker, C. Kerl, J. Sturm and D. Cremers,
*Large-Scale Multi-Resolution Surface Reconstruction from RGB-D Sequences,*
*IEEE International Conference on Computer Vision (ICCV)*, Sydney, Australia, 2013.

[J1] K. Kolev, T. Brox and D. Cremers,
*Fast Joint Estimation of Silhouettes and Dense 3D Geometry from Multiple Images,*
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[J1] 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, 

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

[C1] M. Aubry, K. Kolev, B. Goldluecke and D. Cremers, 
Decoupling Photometry and Geometry in Dense Variational Camera Calibration, 
*IEEE International Conference on Computer Vision (ICCV)*, 2011.

[C1] K. Kolev, T. Pock and D. Cremers, 
Anisotropic Minimal Surfaces Integrating Photoconsistency and Normal Information for Multiview Stereo, 
*European Conference on Computer Vision (ECCV)*, Heraklion, Greece, September 2010.

[C2] J. Stühmer, S. Gumhold and D. Cremers, 
Real-Time Dense Geometry from a Handheld Camera, 
*Pattern Recognition (Proc. DAGM)*, Darmstadt, Germany, 11-20, September 2010.

[C3] 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.

[J1] K. Kolev, M. Klodt, T. Brox and D. Cremers, 
Continuous Global Optimization in Multiview 3D Reconstruction, 

[C1] K. Kolev and D. Cremers, 
Continuous Ratio Optimization via Convex Relaxation with Applications to Multiview 3D Reconstruction, 

[C2] B. Goldluecke and D. Cremers, 
A Superresolution Framework for High-Accuracy Multiview Reconstruction, 
*Pattern Recognition (Proc. DAGM)*, Jena, Germany, 2009, Received DAGM Best Paper Award.
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[C1] K. Kolev and D. Cremers,
Integration of Multiview Stereo and Silhouettes via Convex Functionals on Convex Domains,
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[C2] M. Klodt, T. Schoenemann, K. Kolev, M. Schikora and D. Cremers,
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[J1] B. Goldluecke, I. Ihrke, C. Linz and M. Magnor,
Weighted Minimal Hypersurface Reconstruction,

[C1] K. Kolev, M. Klodt, T. Brox and D. Cremers,
Propagated Photoconsistency and Convexity in Variational Multiview 3D Reconstruction,

[C2] K. Kolev, M. Klodt, T. Brox, S. Esedoglu and D. Cremers,
Continuous Global Optimization in Multiview 3D Reconstruction,

[C1] K. Kolev, T. Brox and D. Cremers,
Robust variational segmentation of 3D objects from multiple views,

[C1] B. Goldluecke and M. Magnor,
Spacetime-Continuous Geometry Meshes from Multi-View Video Sequences,

[C2] I. Ihrke, B. Goldluecke and M. Magnor,
Reconstructing the Geometry of Flowing Water,

[C1] M. Magnor and B. Goldluecke,
Spacetime-coherent Geometry Reconstruction from Multiple Video Streams,
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[C2] B. Goldluecke and M. Magnor,
Weighted Minimal Hypersurfaces and Their Applications in Computer Vision,
*European Conference on Computer Vision (ECCV)*, Prague, Czech Republic, Springer,

[C3] B. Goldluecke and M. Magnor,
Space-Time Isosurface Evolution for Temporally Coherent 3D Reconstruction,
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[C1] B. Goldluecke and M. Magnor,
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Graph Cuts,
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