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[J1] J. Engel, V. Koltun and D. Cremers,
Direct Sparse Odometry,
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[J2] N. Yang, R. Wang, X. Gao and D. Cremers,
Challenges in Monocular Visual Odometry: Photometric Calibration, Motion Bias and Rolling Shutter Effect,

[J3] Queau, Y., Mecca, R., Durou, J.-D., Descombes and X.,
Photometric Stereo with Only Two Images: A Theoretical Study and Numerical Resolution,

[J4] Bähr, M., Breus, M., Queau, Y., Bouroujerdi, A. S., Durou and J.-D.,
Fast and accurate surface normal integration on non-rectangular domains,

Tau Like Proteins Reduce Torque Generation in Microtubule Bundles,

[J6] E. Rodola, L. Cosmo, M. M. Bronstein, A. Torsello and D. Cremers,
Partial Functional Correspondence,

[J7] L. Cosmo, E. Rodola, A. Albarelli, F. Memoli and D. Cremers,
Consistent Partial Matching of Shape Collections via Sparse Modeling,

[J8] D. Boscaini, J. Masci, E. Rodola, M. M. Bronstein and D. Cremers,
Anisotropic Diffusion Descriptors,

[J9] F. Bergamasco, A. Albarelli, L. Cosmo, E. Rodola and A. Torsello,
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2016.

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2016.

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35: 2016, Special Issue on Deep Learning.


Multi-Layered Mapping and Navigation for Autonomous Micro Aerial Vehi-
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[J26] E. Rodola, A. Albarelli, D. Cremers and A. Torsello,
A Simple and Effective Relevance-based Point Sampling for 3D Shapes,

[J27] R. Mecca, E. Rodola and D. Cremers,
Realistic Photometric Stereo Using Partial Differential Irradiance Equation
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[J28] T. Möllenhoff, E. Strekalovskiy, M. Möller and D. Cremers,
The Primal-Dual Hybrid Gradient Method for Semiconvex Splittings,

Cloud-based collaborative 3D mapping in real-time with low-cost robots,

[J30] Hugo Grimmett, Rudolph Triebel, Rohan Paul and Ingmar Posner,
Introspective classification for robot perception,

[J31] T. Whelan, L. Ma, E. Bondarev, P. de With and J. McDonald,
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[J32] B. Goldluecke, M. Aubry, K. Kolev and D. Cremers,
A Super-resolution Framework for High-Accuracy Multiview Reconstruction,

[J33] E. Strekalovskiy, A. Chambolle and D. Cremers,
Convex Relaxation of Vectorial Problems with Coupled Regularization,

[J34] J. Engel, J. Sturm and D. Cremers,
Scale-Aware Navigation of a Low-Cost Quadrocopter with a Monocular Ca-
mera,

[J35] E. Rodola, S. Rota Bulo and D. Cremers,
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[J36] M. Schadler, J. Stueckler and S. Behnke,
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Laser Scanner,

[J37] J. Stueckler, B. Waldvogel, H. Schulz and S. Behnke,
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[J38] J. Stueckler and S. Behnke,
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[J39] E. Rodola, A. Albarelli, F. Bergamasco and A. Torsello,
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[J40] A. Torsello, A. Albarelli and E. Rodola,
Stable and Fast Techniques for Unambiguous Compound Phase Coding,

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Spatially Varying Color Distributions for Interactive Multi-Label Segmentation,

[J42] C. Nieuwenhuis, E. Toeppe and D. Cremers,
A Survey and Comparison of Discrete and Continuous Multi-label Optimization Approaches for the Potts Model,

[J43] B. Goldluecke, E. Strekalovskiy and D. Cremers,
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[J44] F. Endres, J. Hess, J. Sturm, D. Cremers and W. Burgard,
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[J45] Liu, Z., Beetz, M., Cremers, D., Gall, J., Li, W., Pangercic, D., Sturm, J., Tai and Y.-W.,
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[J46] A. Albarelli, E. Rodola and A. Torsello,
Imposing Semi-local Geometric Constraints for Accurate Correspondences Selection in Structure from Motion: a Game-Theoretic Perspective,

[J47] A. Chambolle, D. Cremers and T. Pock,
A Convex Approach to Minimal Partitions,

[J48] T. Schoenemann and D. Cremers,
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[J49] T. Schoenemann, F. Kahl, S. Masnou and D. Cremers,
A linear framework for region-based image segmentation and inpainting involving curvature penalization,
[J50] D. Cremers, 
Optimal Solutions for Semantic Image Decomposition, 

[J51] S. Chen, D. Cremers and R. J. Radke, 
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[J52] B. Goldluecke, E. Strekalovskiy and D. Cremers, 
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[J53] U. Schlickewei, 
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[J54] K. Kolev, T. Brox and D. Cremers, 
Fast Joint Estimation of Silhouettes and Dense 3D Geometry from Multiple Images, 

A. Schikora, 
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by the human pathogen Salmonella Typhimurium, 

[J56] D. Cremers and E. Strekalovskiy, 
Total Cyclic Variation and Generalizations, 

[J57] J. Stueckler, R. Steffens, D. Holz and S. Behnke, 
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in Domestic Environments, 

[J58] J. Stueckler, R. Steffens, D. Holz and S. Behnke, 
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[J59] T. Windheuser, U. Schlickewei, F. R. Schmidt and D. Cremers, 
Large-Scale Integer Linear Programming for Orientation-Preserving 3D Shape 
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[J62] T. Schoenemann, S. Masnou and D. Cremers,
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[J69] T. Schoenemann and D. Cremers,
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[J70] U. Schlickewei,
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[J71] U. Schlickewei,
Stability of tautological vector bundles on Hilbert squares of surfaces,

[J72] Y. Arboleda-Estudillo, M. Krieg, J. Stühmer, N. A. Licata, D. J. Muller and C.-P. Heisenberg,
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[J73] L. Spinello, R. Triebel and R. Siegwart,
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[J74] T. Brox and D. Cremers,
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[J75] T. Brox, B. Rosenhahn, J. Gall and D. Cremers,
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[J76] K. Kolev, M. Klodt, T. Brox and D. Cremers,
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[J77] A. Wedel, C. Rabe, H. Badino, H. Loose, U. Franke and D. Cremers,
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[J88] S. Behnke and J. Stueckler,
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[J89] T. Pock, M. Pock and H. Bischof,
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[J90] B. Rosenhahn, T. Brox and J. Weickert,
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[J91] Y.-J. Kim, T. Brox, W. Feiden and J. Weickert,
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[J96] O. Martinez Mozos, R. Triebel, P. Jensfelt, A. Rottmann and W. Burgard,
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[J97] P. Pfaff, R. Triebel and W. Burgard,
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variation regularization, and SIDEs*,

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*Shape Statistics in Kernel Space for Variational Image Segmentation*,

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*Statistical shape knowledge in variational motion segmentation*,

[J115] J. Keuchel, C. Schnörr, C. Schellewald and D. Cremers,
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programming*,

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Applying Random Forests to the Problem of Dense Non-rigid Shape Correspondence,

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[BC3] V. Golkov, J. M. Portegies, A. Golkov, R. Duits and D. Cremers,
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Variational segmentation with shape priors, 

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[C1] Caner Hazirbas, Sebastian Georg Soyer, Maximilian Christian Staab, Laura Leal-Taixe and Daniel Cremers, 
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[C2] M. Jaimez, C. Kerl, J. Gonzalez-Jimenez and D. Cremers, 
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[C5] Vestner, M., Litman, R., Rodola, E., Bronstein, A., Cremers and D.,
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[C15] Queau, Y., Wu, T., Cremers and D.,
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[C16] Melou, J., Queau, Y., Durou, J.-D., Castan, F., Cremers and D,
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[C17] Lauze, F., Queau, Y., Plenge and E.,
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[C19] Tim Meinhardt, Michael Moeller, Caner Hazirbas and Daniel Cremers,
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University of Freiburg, Germany, May 2011, Received the Artificial Intelligence Dissertation Award 2011 (ECCAI) and the Wolfgang-Genter-Award 2011 (University of Freiburg); Finalist at the Georges-Giralt-Award 2012 (EURON); Selected for the Best Paper Track at IJCAI 2013.

[PhD4] C. Nieuwenhuis,
Restoration and Prostprocessing of Optical Flows,
Faculty of Mathematics and Computer Science, Heidelberg University, Germany, July 2009.

[PhD5] T. Schoenemann,
Combinatorial Solutions for Shape Optimization in Computer Vision,
Department of Computer Science, University of Bonn, Germany, 2008.

[PhD6] B. Goldluecke,
Multi-Camera Reconstruction and Rendering for Free-viewpoint Video,
Max-Planck-Institute for Computer Science, Saarbrücken, Germany, July 2006.

[PhD7] T. Brox,
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Faculty of Mathematics and Computer Science, Saarland University, Germany, April 2005.

[PhD8] D. Cremers,
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Department of Mathematics and Computer Science, University of Mannheim, Germany, 2002.

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[M1] K. Knese,
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Technical University of Munich, Germany, July 2014.

[M2] Caner Hazirbas,
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[M3] Thomas Schöps,
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[M4] M. Shelley,
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[M5] Oliver Montague Welton Dunkley,
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[M6] R. Maier,
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[M7] M. Brandl,
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[M8] C. Kerl,
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Technical University Munich, Germany, Nov. 2012.

[M9] J. Engel,
Autonomous Camera-Based Navigation of a Quadrocopter,
Technical University Munich, Germany, Dec. 2011, Distinguished with the SIEMENS award for best Master’s Thesis 2012.

[M10] M. Souiai,
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Computer Vision Group, TU Munich, Germany, June 2010.

[M11] J. Stühmer,
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[M12] E. Toeppe,
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University of Bonn, 2008, Awarded Best Master Thesis of the Year (Bonn Society for Computer Science).

[M13] M. R. Oswald,
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Universidad Tecnica Federico Santa Maria, Valparaiso, Chile, June 2008.
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[M14] M. R. Oswald, 
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Technische Universität Dresden, Germany, June 2007.

[M15] A. Wedel, 
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Computer Vision Group, University of Bonn, Germany, April 2006.

[M16] J. Sturm, 
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University of Amsterdam, the Netherlands, Dec. 2006.

[M17] T. Brox, 
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