2019
Journal Articles

[J1] Thomas Frerix, Matthias Niesner and Daniel Cremers,
Linear Inequality Constraints for Neural Network Activations,

Conference and Workshop Papers

[C1] P. Swazinna, V. Golkov, I. Lipp, E. Sgarlata, V. Tomassini, D. K. Jones and D. Cremers,
Negative-Unlabeled Learning for Diffusion MRI,
2019.

2018
Journal Articles

[J1] J. Engel, V. Koltun and D. Cremers,
Direct Sparse Odometry,
March 2018.

[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., Durix, B., Wu, T., Cremers, D., Lauze, F., Durou and J.-D.,
LED-based Photometric Stereo: Modeling, Calibration and Numerical Solution,

[J4] Haefner, B., Peng, S., Verma, A., Queau, Y., Cremers and D.,
Photometric Depth Super-Resolution,

[J5] Melou, J., Queau, Y., Durou, J.-D., Castan, F., Cremers and D.,
Variational Reflectance Estimation from Multi-view Images,

[J6] P. Bergmann, R. Wang and D. Cremers,
Online Photometric Calibration of Auto Exposure Video for Realtime Visual Odometry and SLAM,

[J7] E. Aljalbout, V. Golkov, Y. Siddiqui and D. Cremers,
Clustering with Deep Learning: Taxonomy and New Methods,

[J8] A. Vasilev, V. Golkov, I. Lipp, E. Sgarlata, V. Tomassini, D. K. Jones and D. Cremers,
q-Space Novelty Detection with Variational Autoencoders,
Author: Cremers

List of Publications

*Omnidirectional DSO: Direct Sparse Odometry with Fisheye Cameras*, 

[J10] L. Ma, J. Stueckler, T. Wu and D. Cremers, 
*Detailed Dense Inference with Convolutional Neural Networks via Discrete Wavelet Transform*, 
Aug 2018.

[J11] Tjaden, Henning, Schwanecke, Ulrich, Schömer, Elmar, Cremers and Daniel, 
*A Region-based Gauss-Newton Approach to Real-Time Monocular Multiple Object Tracking*, 

Conference and Workshop Papers

[C1] Caner Hazirbas, Sebastian Georg Soyer, Maximilian Christian Staab, Laura Leal-Taixe and Daniel Cremers, 
*Asian Conference on Computer Vision (ACCV)*, December 2018.

[C2] T. Möllenhoff, Z. Ye, T. Wu and D. Cremers, 
*Combinatorial Preconditioners for Proximal Algorithms on Graphs*, 
*International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2018.

*q-Space Novelty Detection in Short Diffusion MRI Scans of Multiple Sclerosis*, 2018.


[C5] B. T. Do, V. Golkov, G. E. Gürel and D. Cremers, 
*Precursor microRNA Identification Using Deep Convolutional Neural Networks*, 

[C6] P. Haeusser, J. Plapp, V. Golkov, E. Aljalbout and D. Cremers, 
*Associative Deep Clustering - Training a Classification Network with no Labels*, 
*Proc. of the German Conference on Pattern Recognition (GCPR)*, October 2018.

[C7] Nikolaus Mayer, Eddy Ilg, Philipp Fischer, Caner Hazirbas, Daniel Cremers, Alexey Dosovitskiy and Thomas Brox, 
*What Makes Good Synthetic Training Data for Learning Disparity and Optical Flow Estimation?*, 
September 2018.
[C8] T. Frerix, T. Möllenhoff, M. Moeller and D. Cremers,  
Proximal Backpropagation,  

and D. Cremers,  
Discrete-Continuous ADMM for Transductive Inference in Higher-Order MRFs,  
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[C10] L. von Stumberg, V. Usenko and D. Cremers,  
Direct Sparse Visual-Inertial Odometry using Dynamic Marginalization,  
May 2018.

The TUM VI Benchmark for Evaluating Visual-Inertial Odometry,  
October 2018.

[C12] X. Gao, R. Wang, N. Demmel and D. Cremers,  
LDSO: Direct Sparse Odometry with Loop Closure,  
*iros*, October 2018.

[C13] M. Eisenberger, Z. Lähner and D. Cremers,  
Divergence-Free Shape Interpolation and Correspondence,  

[C14] Z. Lähner, D. Cremers and T. Tung,  
DeepWrinkles: Accurate and Realistic Clothing Modeling,  
September 2018, *Oral Presentation*.

[C15] N. Yang, R. Wang, J. Stueckler and D. Cremers,  
Deep Virtual Stereo Odometry: Leveraging Deep Depth Prediction for Mono- 

cular Direct Sparse Odometry,  

[C16] D. Schubert, N. Demmel, V. Usenko, J. Stueckler and D. Cremers,  
Direct Sparse Odometry With Rolling Shutter,  
September 2018, *Oral Presentation*.

[C17] V. Usenko, N. Demmel and D. Cremers,  
The Double Sphere Camera Model,  

[C18] I. Chiotellis, F. Zimmermann, D. Cremers and R. Triebel,  
Incremental Semi-Supervised Learning from Streams for Object Classification,  

[C19] V. Estellers, F. Schmidt and D. Cremers,  
Robust Fitting of Subdivision Surfaces for Smooth Shape Analysis,  
*Proc. of the Int. Conference on 3D Vision (3DV)*, September 2018, Received the Best 

Paper Award at 3DV 2018.

[C20] P. Wenzel, Q. Khan, D. Cremers and L. Leal-Taixe,  
Modular Vehicle Control for Transferring Semantic Information Between Weather Conditions Using GANs,  
*Conference on Robot Learning (CoRL)*, 2018.
**Author: Cremers**

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[C21] 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.

**2017**

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[J1] V. Golkov, M. J. Skwark, A. Mirchev, G. Dikov, A. R. Geanes, J. Mendenhall, J. Meiler and D. Cremers,
*3D Deep Learning for Biological Function Prediction from Physical Fields,*

*Tau Like Proteins Reduce Torque Generation in Microtubule Bundles,*

[J3] J. Kukacka, V. Golkov and D. Cremers,
*Regularization for Deep Learning: A Taxonomy,*

**Conference and Workshop Papers**

[C1] M. Jaimez, C. Kerl, J. Gonzalez-Jimenez and D. Cremers,
*Fast Odometry and Scene Flow from RGB-D Cameras based on Geometric Clustering,*
*Proc. of the IEEE Int. Conf. on Robotics and Automation (ICRA),* 2017.

[C2] 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,*
2017.

[C3] L. Ma, J. Stueckler, C. Kerl and D. Cremers,
*Multi-View Deep Learning for Consistent Semantic Mapping with RGB-D Cameras,*
Vancouver, Canada, Sep 2017.

[C4] Vestner, M., Litman, R., Rodola, E., Bronstein, A., Cremers and D.,
*Product Manifold Filter: Non-Rigid Shape Correspondence via Kernel Density Estimation in the Product Space,*
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[C5] Dzitsiuk, M., Sturm, J., Maier, R., Ma, L., Cremers and D.,
*De-noising, Stabilizing and Completing 3D Reconstructions On-the-go using Plane Priors,*

*From Monocular SLAM to Autonomous Drone Exploration,*
[C7] Florian Walch, Caner Hazirbas, Laura Leal-Taixe, Torsten Sattler, Sebastian Hilsenbeck and Daniel Cremers,
Image-based localization using LSTMs for structured feature correlation, October 2017.

Establishment of an interdisciplinary workflow of machine learning-based Radiomics in sarcoma patients,

[C9] Queau, Y., Pizenberg, M., Durou, J.-D., Cremers and D.,
Microgeometry capture and RGB albedo estimation by photometric stereo without demosaicing,
International Conference on Quality Control by Artificial Vision (QCAV), 2017.

[C10] P. Haeusser, A. Mordvintsev and D. Cremers,
Learning by Association - A versatile semi-supervised training method for neural networks,
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[C11] Miroslava Slavcheva, Maximilian Baust, Daniel Cremers and Slobodan Ilic,
KillingFusion: Non-rigid 3D Reconstruction without Correspondences,
2017.

[C12] V. Usenko, L. von Stumberg, A. Pangercic and D. Cremers,
Real-Time Trajectory Replanning for MAVs using Uniform B-splines and a 3D Circular Buffer,
Vancouver, Canada, Sep 2017, Best Paper Award - Finalist.

[C13] Queau, Y., Wu, T., Cremers and D.,
Semi-Calibrated Near-Light Photometric Stereo,
International Conference on Scale Space and Variational Methods in Computer Vision (SSVM), Kolding, Denmark, Lecture Notes in Computer Science, Vol. , , 2017.

[C14] Melou, J., Queau, Y., Durou, J.-D., Castan, F., Cremers and D,
Beyond Multi-view Stereo: Shading-Reflectance Decomposition,
International Conference on Scale Space and Variational Methods in Computer Vision (SSVM), Kolding, Denmark, Lecture Notes in Computer Science, Vol. , , 2017.

[C15] Queau, Y., Wu, T., Lauze, F., Durou, J.-D., Cremers and D.,
A Non-Convex Variational Approach to Photometric Stereo under Inaccurate Lighting,
Honolulu, USA, 2017.

[C16] Tim Meinhardt, Michael Moeller, Caner Hazirbas and Daniel Cremers,
Learning Proximal Operators: Using Denoising Networks for Regularizing Inverse Imaging Problems,
October 2017.

One-Shot Video Object Segmentation,
Honolulu, USA, 2017.
[C18] Queau, Y., Melou, J., Durou, J.-D., Cremers and D.,
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[C19] P. Haeusser, T. Frerix, A. Mordvintsev and D. Cremers,
Associative Domain Adaptation,
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[C20] Queau, Y., Pizenberg, M., Cremers, D., Durou and J.-D.,
Stereophotometrie microscopique sans demosaiquage,
GRETSI, Juan-les-Pins, USA, 2017.

Efficient Deformable Shape Correspondence via Kernel Matching,
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[C22] Maier, R., Schaller, R., Cremers and D.,
Efficient Online Surface Correction for Real-time Large-Scale 3D Reconstruction,
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[C23] Maier, R., Kim, K., Cremers, D., Kautz and J.,
Intrinsic3D: High-Quality 3D Reconstruction by Joint Appearance and Geometry Optimization with Spatially-Varying Lighting,
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[C24] R. Wang, M. Schwörer and D. Cremers,
Stereo DSO: Large-Scale Direct Sparse Visual Odometry with Stereo Cameras,
International Conference on Computer Vision (ICCV), Venice, Italy, October 2017.

[C25] T. Möllenhoff and D. Cremers,
Sublabel-Accurate Discretization of Nonconvex Free-Discontinuity Problems,
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[C26] Queau, Y., Melou, J., Castan, F., Cremers, D., Durou and J.-D.,
A Variational Approach to Shape-from-shading Under Natural Illumination,

[C27] F. Bernard, F. R. Schmidt, J. Thunberg and D. Cremers,
A Combinatorial Solution to Non-Rigid 3D Shape-to-Image Matching,

[C28] Peng, S., Haefner, B., Queau, Y., Cremers and D.,
Depth Super-Resolution Meets Uncalibrated Photometric Stereo,
International Conference on Computer Vision Workshops (ICCVW), 2017, Oral Pre- sentation at ICCV Workshop on Color and Photometry in Computer Vision.
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[J1] E. Rodola, L. Cosmo, M. M. Bronstein, A. Torsello and D. Cremers,
Partial Functional Correspondence,

[J2] L. Cosmo, E. Rodola, A. Albarelli, F. Memoli and D. Cremers,
Consistent Partial Matching of Shape Collections via Sparse Modeling,

[J3] D. Boscaini, J. Masci, E. Rodola, M. M. Bronstein and D. Cremers,
Anisotropic Diffusion Descriptors,

D. Cremers,
q-Space Deep Learning: Twelve-Fold Shorter and Model-Free Diffusion MRI Scans,
35: 2016, *Special Issue on Deep Learning*.

[J5] O. Litany, E. Rodola, A. M. Bronstein, M. M. Bronstein and D. Cremers,
Non-Rigid Puzzles,

[J6] Vestner, M., Litman, R., Bronstein, A., Rodola, E., Cremers and D.,
Bayesian Inference of Bijective Non-Rigid Shape Correspondence,

Book Chapters

[BC1] Vestner, M., Rodola, E., Windheuser, T., Bulo, Rota Bulo, S., Cremers and D.,
Applying Random Forests to the Problem of Dense Non-rigid Shape Corre-
spondence,

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[C1] N. Mayer, E. Ilg, P. Haeusser, P. Fischer, D. Cremers, A. Dosovitskiy and T. Brox,
A Large Dataset to Train Convolutional Networks for Disparity, Optical Flow,
and Scene Flow Estimation,
*IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)*,
2016.

Model-Free Novelty-Based Diffusion MRI,
Prague, Czech Republic, April 2016.

[C3] V. Golkov, M. J. Skwark, A. Golkov, A. Dosovitskiy, T. Brox, J. Meiler and D. Cremers,
Protein Contact Prediction from Amino Acid Co-Evolution Using Convolutional
Networks for Graph-Valued Images,
Barcelona, Spain, December 2016, *Oral Presentation (acceptance rate: under 2%)*.
[C4] Z. Lähner, E. Rodola, F. R. Schmidt, M. M. Bronstein and D. Cremers, 
Efficient Globally Optimal 2D-to-3D Deformable Shape Matching, 
May 2016.

[C5] V. Usenko, J. Engel, J. Stueckler and D. Cremers, 
Direct Visual-Inertial Odometry with Stereo Cameras, 
May 2016.

[C6] A. Narr, R. Triebel and D. Cremers, 
Stream-based Active Learning for Efficient and Adaptive Classification of 3D 
Objects, 
May 2016.

SHREC16: Matching of Deformable Shapes with Topological Noise, 
May 2016.

[C8] L. Cosmo, E. Rodola, M. M. Bronstein, A. Torsello, D. Cremers and Y. Sahillioglu, 
SHREC16: Partial Matching of Deformable Shapes, 
May 2016.

[C9] T. Möllenhoff, E. Laude, M. Moeller, J. Lellmann and D. Cremers, 
Sublabel-Accurate Relaxation of Nonconvex Energies, 
2016, Oral Presentation, Received the Best Paper Honorable Mention Award at CVPR 2016.

[C10] L. Ma, C. Kerl, J. Stueckler and D. Cremers, 
CPA-SLAM: Consistent Plane-Model Alignment for Direct RGB-D SLAM, 
May 2016.

[C11] J. Engel, V. Usenko and D. Cremers, 
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[C14] I. Chiotellis, R. Triebel, T. Windheuser and D. Cremers, 
Non-Rigid 3D Shape Retrieval via Large Margin Nearest Neighbor Embedding, 
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[C15] C. Hazirbas, L. Ma, C. Domokos and D. Cremers, 
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2016.

[C16] T. Windheuser and D. Cremers, 
A Convex Solution to Spatially-Regularized Correspondence Problems, 
October 2016.
Author: Cremers

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[C17] S. Sharifzadeh, I. Chiotellis, R. Triebel and D. Cremers,
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[J1] J. Diebold, C. Nieuwenhuis and D. Cremers,
Midrange Geometric Interactions for Semantic Segmentation,
2015.

[J2] J. Diebold, S. Tari and D. Cremers,
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[J3] S. Madhogaria, P. M. Baggenstoss, M. Schikora, W. Koch and D. Cremers,
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[J4] M. Klodt, K. Herzog, R. Töpfer and D. Cremers,
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[J5] E. Rodola, A. Albarelli, D. Cremers and A. Torsello,
A Simple and Effective Relevance-based Point Sampling for 3D Shapes,

[J6] R. Mecca, E. Rodola and D. Cremers,
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[J7] T. Möllenhoff, E. Strekalovskiy, M. Möller and D. Cremers,
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Book Chapters

[BC1] V. Golkov, J. M. Portegies, A. Golkov, R. Duits and D. Cremers,
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[C1] M. Moeller, J. Diebold, G. Gilboa and D. Cremers,
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2015.

[C2] J. Diebold, N. Demmel, C. Hazirbas, M. Möller and D. Cremers,
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2015.
[C3] C. Hazirbas, J. Diebold and D. Cremers, 
Optimizing the Relevance-Redundancy Tradeoff for Efficient Semantic Segmentation, 
2015, Oral Presentation.

[C4] T. Möllenhoff, E. Strekalovskiy, M. Möller and D. Cremers, 
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[C5] M. Jaimez, M. Souiai, J. Gonzalez-Jimenez and D. Cremers, 
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[C6] J. Stühmer and D. Cremers, 
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[C7] R. Mecca, E. Rodola and D. Cremers, 
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[C8] F. Bergamasco, A. Albarelli, L. Cosmo, A. Torsello, E. Rodola and D. Cremers, 
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[C9] D. Mund, R. Triebel and D. Cremers, 
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[C11] A. Dosovitskiy, P. Fischer, E. Ilg, P. Haeusser, C. Hazirbas, V. Golkov, P. van der Smagt, 
D. Cremers and T. Brox, 
FlowNet: Learning Optical Flow with Convolutional Networks, 
December 2015.

V. Evers, M. Fiore, H. Hung, O. A. Islas Ramirez, M. Joosse, H. Kambhaita, T. Kucner, 
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[C13] J. Engel, J. Stueckler and D. Cremers, 
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[C14] D. Caruso, J. Engel and D. Cremers,
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[C15] Y. Tao, R. Triebel and D. Cremers,
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[C16] R. Maier, J. Stueckler and D. Cremers,
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[C18] M. Jaimez, M. Souiai, J. Stueckler, J. Gonzalez-Jimenez and D. Cremers,
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[C19] E. Rodola, M. Moeller and D. Cremers,
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[C20] C. Kerl, J. Stueckler and D. Cremers,
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Santiago, Chile, 2015.

[C21] M. Souiai, M. R. Oswald, Y. Kee, J. Kim, M. Pollefeys and D. Cremers,
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[C22] F. Stark, C. Hazirbas, R. Triebel and D. Cremers,
CAPTCHA Recognition with Active Deep Learning, GCPR Workshop on New Challenges in Neural Computation, Aachen, Germany, 2015.

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2014
Journal Articles

[J1] B. Goldluecke, M. Aubry, K. Kolev and D. Cremers,

[J2] E. Strekalovskiy, A. Chambolle and D. Cremers,
[J3] J. Engel, J. Sturm and D. Cremers, 
Scale-Aware Navigation of a Low-Cost Quadrocopter with a Monocular Camera, 

[J4] E. Rodola, S. Rota Bulo and D. Cremers, 
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[B1] D. Cremers, I. Reid, H. Saito and M.-S. Yang (Editors), 
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[C6] E. Rodola, S. Rota Bulo, T. Windheuser, M. Vestner and D. Cremers, 
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[C7] Y. Kee, M. Souiai, D. Cremers and J. Kim, 
Sequential Convex Relaxation for Mutual-Information-Based Unsupervised Figure-Ground Segmentation, 2014.

[C8] H. Alvarez, L.M. Paz, J. Sturm and D. Cremers, 
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[C10] T. Schöps, J. Engel and D. Cremers, 
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[C11] T. Windheuser, M. Vestner, E. Rodola, R. Triebel and D. Cremers, 
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[C12] M. Strobel, J. Diebold and D. Cremers, 
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[C13] R. Maier, J. Sturm and D. Cremers, 
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[C14] T. Gurdan, M. R. Oswald, D. Gurdan and D. Cremers, 
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[C15] M. R. Oswald and D. Cremers, 
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[C16] C. Nieuwenhuis, S. Hawe, M. Kleinsteuber and D. Cremers, 
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[Taiou tenshuugou ruijido gakushuu wo mochiita goutai-higoutai buttai kenshutsu], 
Author: Cremers  
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[C20] M. Andreux, E. Rodola, M. Aubry and D. Cremers,  
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[C22] R. Triebel, J. Stühmer, M. Souiai and D. Cremers,  
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[C23] S. Debnath, S. S. Baishya, R. Triebel, V. Dutt and D. Cremers,  
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[J2] C. Nieuwenhuis, E. Toeppe and D. Cremers,  
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[J3] B. Goldhauke, E. Strekalovskiy and D. Cremers,  
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[J4] F. Endres, J. Hess, J. Sturm, D. Cremers and W. Burgard,  
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[J5] Liu, Z., Beetz, M., Cremers, D., Gall, J., Li, W., Pangercic, D., Sturm, J., Tai and Y.-W.,  
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[BC1] M. Klodt, F. Steinbruecker and D. Cremers,  
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[C1] M. Souiai, C. Nieuwenhuis, E. Strekalovskiy and D. Cremers,  
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[C2] J. Bergbauer, C. Nieuwenhuis, M. Souiai and D. Cremers,  
**Proximity Priors for Variational Semantic Segmentation and Recognition**,  
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[C3] V. Golkov, T. Sprenger, A. Menini, M.I. Menzel, D. Cremers and J.I. Sperl,  
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2013, Oral Presentation.

**Line-Process-Based Joint SENSE Reconstruction of Diffusion Images with Intensity Inhomogeneity Correction and Noise Non-Stationarity Correction**,  
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[C5] V. Golkov, M.I. Menzel, T. Sprenger, A. Menini, D. Cremers and J.I. Sperl,  
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[C6] V. Golkov, M.I. Menzel, T. Sprenger, A. Menini, D. Cremers and J.I. Sperl,  
**Corrected Joint SENSE Reconstruction, Low-Rank Constraints, and Compressed-Sensing-Accelerated Diffusion Spectrum Imaging in Denoising and Kurtosis Tensor Estimation**,  
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**Noise Reduction in Accelerated Diffusion Spectrum Imaging through Integration of SENSE Reconstruction into Joint Reconstruction in Combination with q-Space Compressed Sensing**,  
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Author: Cremers

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May 2013, Best Vision Paper Award - Finalist.

[C9] E. Toeppe, C. Nieuwenhuis and D. Cremers,
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Portland, USA, 2013.

[C10] D. Weikersdorfer, A. Schick and D. Cremers,
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[C11] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers,
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[C12] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers,
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[C13] M. Souiai, E. Strekalovskiy, C. Nieuwenhuis and D. Cremers,
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[C14] F. Stangl, M. Souiai and D. Cremers,
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[C15] T. Möllenhoff, C. Nieuwenhuis, E. Toeppe and D. Cremers,
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[C16] C. Kerl, J. Sturm and D. Cremers,
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[C17] T. Naseer, J. Sturm and D. Cremers,
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[C18] M. Klodt, J. Sturm and D. Cremers,
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[C19] J. Sturm, E. Bylow, F. Kahl and D. Cremers,
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[C20] D. Bender, M. Schikora, J. Sturm and D. Cremers,
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[C21] J. Sturm, E. Bylow, F. Kahl and D. Cremers,
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[C22] E. Rodola, T. Harada, Y. Kuniyoshi and D. Cremers,
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[C23] J. Engel, J. Sturm and D. Cremers,
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[C24] E. Rodola, A. Torsello, T. Harada, Y. Kuniyoshi and D. Cremers,
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[C26] C. Nieuwenhuis, E. Strekalovskiy and D. Cremers,
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[C27] J. Stühmer, P. Schröder and D. Cremers,
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[C28] G. Kuschk and D. Cremers,
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[C29] M. R. Oswald and D. Cremers,
A Convex Relaxation Approach to Space Time Multi-view 3D Reconstruction,
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[C30] F. Steinbruecker, C. Kerl, J. Sturm and D. Cremers,
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[C31] T. Naseer, J. Sturm and D. Cremers,
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Author: Cremers

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Relaxations for Minimizing Metric Distortion and Elastic Energies for 3D Shape Matching,

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[R1] M. Souiai, E. Strekalovskiy, C. Nieuwenhuis and D. Cremers,
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[J1] A. Chambolle, D. Cremers and T. Pock,
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[J2] T. Schoenemann and D. Cremers,
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[J3] T. Schoenemann, F. Kahl, S. Masnou and D. Cremers,
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[J9] D. Cremers and E. Strekalovskiy,
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[BC1] M. Schikora, W. Koch, R. L. Streit and D. Cremers,
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[C10] E. Strekalovskiy, A. Chambolle and D. Cremers,
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[C12] J. Sturm, N. Engelhard, F. Endres, W. Burgard and D. Cremers,
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[J1] T. Windheuser, U. Schlickewei, F. R. Schmidt and D. Cremers,
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[J2] D. Cremers and K. Kolev,
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[J4] T. Schoenemann, S. Masnou and D. Cremers,
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[BC2] D. Cremers,
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On a linear programming approach to the discrete Willmore boundary value problem and generalizations,

[C4] E. Strekalovskiy and D. Cremers,
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[C5] B. Goldluecke and D. Cremers,
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[C17] M. Schikora, W. Koch and D. Cremers,
Multi-object tracking via high accuracy optical flow and finite set statistics,

[C18] E. Toeppe, M. R. Oswald, D. Cremers and C. Rother,

[C19] M. R. Oswald, E. Toeppe, C. Nieuwenhuis and D. Cremers,
A Survey on Geometry Recovery from a Single Image with Focus on Curved Object Reconstruction,

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[J1] T. Pock, D. Cremers, H. Bischof and A. Chambolle,

[J2] T. Schoenemann and D. Cremers,
A Combinatorial Solution for Model-based Image Segmentation and Real-time Tracking,

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[C1] M. Schikora, A. Schikora, K.-H. Kogel, W. Koch and D. Cremers,
Probabilistic Classification of Disease Symptoms caused by Salmonella on Arabidopsis Plants,
*5th IEEE ISIF Workshop on Sensor Data Fusion: Trends, Solutions, Applications (SDF)*, Leipzig, Germany, September 2010.

[C2] M. Schikora, D. Bender, D. Cremers and W. Koch,
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[C3] M. Schikora, D. Bender, W. Koch and D. Cremers,
Multi-target multi-sensor localization and tracking using passive antenna and
optical sensors on UAVs,

[C4] E. Toeppe, M. R. Oswald, D. Cremers and C. Rother,
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Queenstown, New Zealand, 53-64, November 2010, Received Honorable Mention
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[C5] K. Kolev, T. Pock and D. Cremers,
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[C6] J. Stühmer, S. Gumhold and D. Cremers,
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[C7] J. Stühmer, S. Gumhold and D. Cremers,
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[C8] B. Goldluecke and D. Cremers,
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[C10] C. Nieuwenhuis, B. Berkels and M. Rumpf,
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[J1] T. Brox and D. Cremers,
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[J2] T. Brox, B. Rosenhahn, J. Gall and D. Cremers,
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jects,

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Continuous Global Optimization in Multiview 3D Reconstruction,
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[B1] D. Cremers, Y. Boykov, A. Blake and F. R. Schmidt (Editors),
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[C2] F. R. Schmidt and D. Cremers,
A Closed-Form Solution for Image Sequence Segmentation with Dynamical Shape Priors,
Jena, Germany, September 2009.

[C3] F. R. Schmidt, E. Toeppe and D. Cremers,
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Miami, Florida, 351-356, June 2009, Received a CVPR Doctoral Spotlight Award.

[C4] T. Pock, A. Chambolle, H. Bischof and D. Cremers,
A Convex Relaxation Approach for Computing Minimal Partitions,

[C5] K. Kolev and D. Cremers,
Continuous Ratio Optimization via Convex Relaxation with Applications to Multiview 3D Reconstruction,

[C6] A. Wedel, C. Rabe, A. Meissner, U. Franke and D. Cremers,
Detection and Segmentation of Independently Moving Objects from Dense Scene Flow,

[C7] B. Goldluecke and D. Cremers,
A Superresolution Framework for High-Accuracy Multiview Reconstruction,
Jena, Germany, 2009, Received DAGM Best Paper Award.

[C8] B. Goldluecke and D. Cremers,
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Author: Cremers

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[C9] A. Sellent, M. Eisemann, B. Goldluecke, T. Pock, D. Cremers and M. Magnor,
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[C16] F. Steinbruecker, T. Pock and D. Cremers,
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[J1] T. Brox, O. Kleinschmidt and D. Cremers,
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[J2] D. Cremers,
Nonlinear Dynamical Shape Priors for Level Set Segmentation,

[J3] H. Jin, D. Cremers, D. Wang, A. Yezzi, E. Prados and S. Soatto,
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[C1] T. Schoenemann, F. R. Schmidt and D. Cremers,
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[C3] T. Pock, T. Schoenemann, G. Graber, H. Bischof and D. Cremers,
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[C4] W. Trobin, T. Pock, D. Cremers and H. Bischof,
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