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Semi-supervised Online Learning for Efficient Classification of Objects in 3D Data Streams,
2015.

[C77] R. Maier, J. Stueckler and D. Cremers,
Super-Resolution Keyframe Fusion for 3D Modeling with High-Quality Textures,
International Conference on 3D Vision (3DV), 2015.

[C78] M. Jaimez, M. Souiai, J. Stueckler, J. Gonzalez-Jimenez and D. Cremers,
Motion Cooperation: Smooth Piece-Wise Rigid Scene Flow from RGB-D Images,

[C79] E. Rodola, M. Moeller and D. Cremers,
Point-wise Map Recovery and Refinement from Functional Correspondence,
Aachen, Germany, 2015, Received the Best Paper Award.

[C80] C. Kerl, J. Stueckler and D. Cremers,
Dense Continuous-Time Tracking and Mapping with Rolling Shutter RGB-D Cameras,
Santiago, Chile, 2015.

[C81] M. Souiai, M. R. Oswald, Y. Kee, J. Kim, M. Pollefeys and D. Cremers,
Entropy Minimization for Convex Relaxation Approaches,
Santiago, Chile, 2015.

[C82] 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.

Model-Based Tracking at 300Hz using Raw Time-of-Flight Observations,
Santiago, Chile, 2015.
Direct Reconstruction of the Average Diffusion Propagator with Simultaneous  
Compressed-Sensing-Accelerated Diffusion Spectrum Imaging and Image De-  
noising by Means of Total Generalized Variation Regularization,  
2014.

[C85] V. Golkov, M.I. Menzel, T. Sprenger, A. Haase, D. Cremers and J.I. Sperl,  
Semi-Joint Reconstruction for Diffusion MRI Denoising Imposing Similarity  
of Edges in Similar Diffusion-Weighted Images,  
2014.

Improved Diffusion Kurtosis Imaging and Direct Propagator Estimation Using  
6-D Compressed Sensing,  
2014.

[C87] F. Steinbruecker, J. Sturm and D. Cremers,  
Volumetric 3D Mapping in Real-Time on a CPU,  
Hongkong, China, 2014.

[C88] E. Rodola, S. Rota Bulo, T. Windheuser, M. Vestner and D. Cremers,  
Dense Non-Rigid Shape Correspondence Using Random Forests,  
2014.

[C89] Y. Kee, M. Souiai, D. Cremers and J. Kim,  
Sequential Convex Relaxation for Mutual-Information-Based Unsupervised  
Figure-Ground Segmentation,  
2014.

[C90] H. Alvarez, L.M. Paz, J. Sturm and D. Cremers,  
Collision Avoidance for Quadrotors with a Monocular Camera,  
Proc. of The 12th International Symposium on Experimental Robotics (ISER),  
2014.

[C91] J. Engel, T. Schöps and D. Cremers,  
LSD-SLAM: Large-Scale Direct Monocular SLAM,  
September 2014, Oral Presentation.

[C92] T. Schöps, J. Engel and D. Cremers,  
Semi-Dense Visual Odometry for AR on a Smartphone,  
September 2014, Best Short Paper Award.

[C93] T. Windheuser, M. Vestner, E. Rodola, R. Triebel and D. Cremers,  
Optimal Intrinsic Descriptors for Non-Rigid Shape Analysis,  
2014.

[C94] M. Strobel, J. Diebold and D. Cremers,  
Flow and Color Inpainting for Video Completion,  
German Conference on Pattern Recognition (GCPR), Münster, Germany, September 2014,  
Oral Presentation.

[C95] R. Maier, J. Sturm and D. Cremers,  
Submap-based Bundle Adjustment for 3D Reconstruction from RGB-D Data,  
German Conference on Pattern Recognition (GCPR), Münster, Germany, September 2014.

[C96] T. Gurdan, M. R. Oswald, D. Gurdan and D. Cremers,  
Spatial and Temporal Interpolation of Multi-View Image Sequences,  
Münster, Germany, Vol. 36, September 2014.
Author: D. Cremers  
List of Publications

[C97] M. R. Oswald and D. Cremers,  
Surface Normal Integration for Convex Space-time Multi-view Reconstruction,  
2014.

[C98] C. Nieuwenhuis, S. Hawe, M. Kleinsteuber and D. Cremers,  
Co-Sparse Textural Similarity for Interactive Segmentation,  
2014.

[C99] M. R. Oswald, J. Stühmer and D. Cremers,  
Generalized Connectivity Constraints for Spatio-temporal 3D Reconstruction,  

[C100] E. Strekalovskiy and D. Cremers,  
Real-Time Minimization of the Piecewise Smooth Mumford-Shah Functional,  

[C101] A. Kanezaki, E. Rodola, D. Cremers and T. Harada,  
[Taiou tenshuugou ruijido gakushuu wo mochiita goutai-higoutai buttai kenshutsu],  

[C102] M. Andreux, E. Rodola, M. Aubry and D. Cremers,  
Anisotropic Laplace-Beltrami Operators for Shape Analysis,  
Sixth Workshop on Non-Rigid Shape Analysis and Deformable Image Alignment (NORDIA), 2014.

[C103] O. Dunkley, J. Engel, J. Sturm and D. Cremers,  
Visual-Inertial Navigation for a Camera-Equipped 25g Nano-Quadrotor,  

[C104] R. Triebel, J. Stühmer, M. Souiai and D. Cremers,  
Active Online Learning for Interactive Segmentation Using Sparse Gaussian Processes,  
German Conference on Pattern Recognition, 2014.

[C105] S. Debnath, S. S. Baishya, R. Triebel, V. Dutt and D. Cremers,  
Environment-adaptive Learning: How Clustering Helps to Obtain Good Training Data,  

[C106] A. Kanezaki, E. Rodola, D. Cremers and T. Harada,  
Learning Similarities for Rigid and Non-Rigid Object Detection,  
International Conference on 3D Vision (3DV), 2014.

[C107] D. Bender, M. Schikora, J. Sturm and D. Cremers,  
INS-Camera Calibration without Ground Control Points,  
9th IEEE ISIF Workshop on Sensor Data Fusion: Trends, Solutions, Applications (SDF), 2014.

[C108] C. Kerl, M. Souiai, J. Sturm and D. Cremers,  
Towards Illumination-invariant 3D Reconstruction using ToF RGB-D Cameras,  
International Conference on 3D Vision (3DV), 2014.
[C109] F. R. Schmidt, T. Windheuser, U. Schlickewei and D. Cremers,  
**Dense Elastic 3D Shape Matching**,  

[C110] M. Souiai, C. Nieuwenhuis, E. Strekalovskiy and D. Cremers,  
**Convex Optimization for Scene Understanding**,  
*ICCV Workshop on Graphical Models for Scene Understanding*, 2013.

[C111] J. Bergbauer, C. Nieuwenhuis, M. Souiai and D. Cremers,  
**Proximity Priors for Variational Semantic Segmentation and Recognition**,  
*ICCV Workshop on Graphical Models for Scene Understanding*, 2013.

[C112] V. Golkov, T. Sprenger, A. Menini, M.I. Menzel, D. Cremers and J.I. Sperl,  
**Effects of Low-Rank Constraints, Line-Process Denoising, and q-Space Compressed Sensing on Diffusion MR Image Reconstruction and Kurtosis Tensor Estimation**,  
2013, **Oral Presentation**.

[C113] V. Golkov, T. Sprenger, M.I. Menzel, D. Cremers and J.I. Sperl,  
**Line-Process-Based Joint SENSE Reconstruction of Diffusion Images with Intensity Inhomogeneity Correction and Noise Non-Stationarity Correction**,  
2013, **Certificate of Merit Award**.

[C114] V. Golkov, M.I. Menzel, T. Sprenger, A. Menini, D. Cremers and J.I. Sperl,  
**Reconstruction, Regularization, and Quality in Diffusion MRI Using the Example of Accelerated Diffusion Spectrum Imaging**,  
*16th Annual Meeting of the German Chapter of the ISMRM*, 2013, **Oral Presentation**.

[C115] 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**,  
*ISMRM Workshop on Diffusion as a Probe of Neural Tissue Microstructure*, 2013.

**Noise Reduction in Accelerated Diffusion Spectrum Imaging through Integration of SENSE Reconstruction into Joint Reconstruction in Combination with q-Space Compressed Sensing**,  
2013.

[C117] C. Kerl, J. Sturm and D. Cremers,  
**Robust Odometry Estimation for RGB-D Cameras**,  
May 2013, **Best Vision Paper Award - Finalist**.

[C118] E. Toeppe, C. Nieuwenhuis and D. Cremers,  
**Volume Constraints for Single View Reconstruction**,  
Portland, USA, 2013.

[C119] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers,  
**Real-Time Camera Tracking and 3D Reconstruction Using Signed Distance Functions**,  
[C120] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers, 
Direct Camera Pose Tracking and Mapping With Signed Distance Functions, 
Demo Track of the RGB-D Workshop on Advanced Reasoning with Depth Cameras at the 

[C121] M. Souiai, E. Strekalovskiy, C. Nieuwenhuis and D. Cremers, 
A Co-occurrence Prior for Continuous Multi-Label Optimization, 
2013.

[C122] F. Stangl, M. Souiai and D. Cremers, 
Performance Evaluation of Narrow Band Methods for Variational Stereo, 
35th German Conference on Pattern Recognition (GCPR), 2013.

[C123] T. Möllenhoff, C. Nieuwenhuis, E. Toeppe and D. Cremers, 
Efficient Convex Optimization for Minimal Partition Problems with Volume 
Constraints, 
2013.

[C124] C. Kerl, J. Sturm and D. Cremers, 
Dense Visual SLAM for RGB-D Cameras, 

[C125] T. Naseer, J. Sturm and D. Cremers, 
FollowMe: Person Following and Gesture Recognition with a Quadrocopter, 

[C126] M. Klodt, J. Sturm and D. Cremers, 
Scale-Aware Object Tracking with Convex Shape Constraints on RGB-D 
Images, 
German Conference on Pattern Recognition (GCPR), Saarbrücken, Germany, September 
2013.

[C127] J. Sturm, E. Bylow, F. Kahl and D. Cremers, 
Dense Tracking and Mapping with a Quadrocopter, 
Unmanned Aerial Vehicle in Geomatics (UAV-g), Rostock, Germany, September 2013.

[C128] D. Bender, M. Schikora, J. Sturm and D. Cremers, 
Graph-based bundle adjustment for INS-camera calibration, 
Unmanned Aerial Vehicle in Geomatics (UAV-g), Rostock, Germany, September 2013, 
Best research paper award.

[C129] J. Sturm, E. Bylow, F. Kahl and D. Cremers, 
CopyMe3D: Scanning and Printing Persons in 3D, 
German Conference on Pattern Recognition (GCPR), Saarbrücken, Germany, September 
2013.

[C130] E. Rodola, T. Harada, Y. Kuniyoshi and D. Cremers, 
Efficient Shape Matching using Vector Extrapolation, 
2013.

[C131] J. Engel, J. Sturm and D. Cremers, 
Semi-Dense Visual Odometry for a Monocular Camera, 
Sydney, Australia, December 2013.
[C132] E. Rodola, A. Torsello, T. Harada, Y. Kuniyoshi and D. Cremers,
Elastic Net Constraints for Shape Matching,
Sydney, Australia, December 2013.

[C133] J. Lellmann, E. Strekalovskiy, S. Koetter and D. Cremers,
Total Variation Regularization for Functions with Values in a Manifold,
Sydney, Australia, December 2013.

[C134] C. Nieuwenhuis, E. Strekalovskiy and D. Cremers,
Proportion Priors for Image Sequence Segmentation,
Sydney, Australia, December 2013.

[C135] J. Stühmer, P. Schröder and D. Cremers,
Tree Shape Priors with Connectivity Constraints using Convex Relaxation on
General Graphs,
Sydney, Australia, December 2013, Oral Presentation.

[C136] G. Kuschk and D. Cremers,
Fast and Accurate Large-scale Stereo Reconstruction using Variational Me-
thods,
ICCV Workshop on Big Data in 3D Computer Vision, Sydney, Australia, December 2013.

[C137] 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.

[C138] F. Steinbruecker, C. Kerl, J. Sturm and D. Cremers,
Large-Scale Multi-Resolution Surface Reconstruction from RGB-D Sequences,
Sydney, Australia, 2013.

[C139] T. Naseer, J. Sturm and D. Cremers,
Interactive Person Following and Gesture Recognition with a Flying Robot,
Proc. of the Assistance and Service Robotics Workshop (ASROB) at the IE-
EE. Int. Conf. on Intelligent Robots and Systems (IROS), Nov. 2013.

[C140] D. Cremers, E. Rodola and T. Windheuser,
Relaxations for Minimizing Metric Distortion and Elastic Energies for 3D Sha-
pe Matching,
2013.

[C141] F. Endres, J. Hess, N. Engelhard, J. Sturm, D. Cremers and W. Burgard,
An Evaluation of the RGB-D SLAM System,

[C142] T. Ruehr, J. Sturm, D. Pangercic, M. Beetz and D. Cremers,
A Generalized Framework for Opening Doors and Drawers in Kitchen Envi-
ronments,

[C143] M. Schikora, A. Gning, L. Mihaylova, D. Cremers, W. Koch and R. Streit,
Box-Particle Intensity Filter,
Author: D. Cremers

List of Publications

[C144] M. Schikora, A. Gning, L. Mihaylova, D. Cremers and W. Koch,
Box-Particle PHD Filter for Multi-Target Tracking,
15th International Conference on Information Fusion (FUSION), Singapore, July 2012.

[C145] L. Zhang, J. Sturm, D. Cremers and D. Lee,
Real-Time Human Motion Tracking using Multiple Depth Cameras,

[C146] E. Strekalovskiy, C. Nieuwenhuis and D. Cremers,
Nonmetric Priors for Continuous Multilabel Optimization,
Firenze, Italy, Springer, October 2012.

[C147] T. Windheuser, H. Ishikawa and D. Cremers,
Generalized Roof Duality for Multi-Label Optimization: Optimal Lower Bounds and Persistency,
Firenze, Italy, October 2012.

[C148] T. Windheuser, H. Ishikawa and D. Cremers,
QPBO [QPBO arugorizumu no tachika ni yoru hiretsu mojura enerugi saishoka],
Meeting on Image Recognition and Understanding, Fukuoka, Japan, August 2012.

[C149] M. R. Oswald, E. Toeppe and D. Cremers,
Fast and Globally Optimal Single View Reconstruction of Curved Objects,
Providence, Rhode Island, 534-541, June 2012.

[C150] E. Strekalovskiy, A. Chambolle and D. Cremers,
A Convex Representation for the Vectorial Mumford-Shah Functional,
Providence, Rhode Island, June 2012.

[C151] J. Engel, J. Sturm and D. Cremers,
Camera-Based Navigation of a Low-Cost Quadrocopter,

[C152] J. Sturm, N. Engelhard, F. Endres, W. Burgard and D. Cremers,
A Benchmark for the Evaluation of RGB-D SLAM Systems,

[C153] J. Engel, J. Sturm and D. Cremers,
Accurate Figure Flying with a Quadrocopter Using Onboard Visual and Inertial Sensing,

[C154] J. Sturm, W. Burgard and D. Cremers,
Evaluating Egomotion and Structure-from-Motion Approaches Using the TUM RGB-D Benchmark,

[C155] N. Ufer, M. Souiai and D. Cremers,
Wehrli 2.0: An Algorithm for Tidying up Art,
T. Windheuser, U. Schlickewei, F. R. Schmidt and D. Cremers,
Geometrically Consistent Elastic Matching of 3D Shapes: A Linear Programming Solution,
2011.

M. Aubry, U. Schlickewei and D. Cremers,
Pose-Consistent 3D Shape Segmentation Based on a Quantum Mechanical Feature Descriptor,
Frankfurt, Germany, Springer, 2011.

T. Schoenemann, S. Masnou and D. Cremers,
On a linear programming approach to the discrete Willmore boundary value problem and generalizations,

E. Strekalovskiy and D. Cremers,
Total Variation for Cyclic Structures: Convex Relaxation and Efficient Minimization,

B. Goldluecke and D. Cremers,
Introducing Total Curvature for Image Processing,
2011.

E. Strekalovskiy, B. Goldluecke and D. Cremers,
Tight Convex Relaxations for Vector-Valued Labeling Problems,
2011.

M. Aubry, K. Kolev, B. Goldluecke and D. Cremers,
Decoupling Photometry and Geometry in Dense Variational Camera Calibration,
2011.

E. Strekalovskiy and D. Cremers,
Generalized Ordering Constraints for Multilabel Optimization,
2011.

J. Sturm, S. Magnenat, N. Engelhard, F. Pomerleau, F. Colas, W. Burgard, D. Cremers and R. Siegwart,
Towards a benchmark for RGB-D SLAM evaluation,

C. Nieuwenhuis, E. Toeppe and D. Cremers,
Space-Varying Color Distributions for Interactive Multiregion Segmentation: Discrete versus Continuous Approaches, 177-190, 2011.

M. Klodt and D. Cremers,
[C167] M. Aubry, U. Schlickewei and D. Cremers, 
The Wave Kernel Signature: A Quantum Mechanical Approach To Shape Analysis, 
*IEEE International Conference on Computer Vision (ICCV) - Workshop on Dynamic Shape Capture and Analysis (4DMOD)*, 2011.

[C168] F. Steinbruecker, J. Sturm and D. Cremers, 
Real-Time Visual Odometry from Dense RGB-D Images, 
*Workshop on Live Dense Reconstruction with Moving Cameras at the Intl. Conf. on Computer Vision (ICCV)*, 2011.

[C169] M. Schikora, M. Oispuu, W. Koch and D. Cremers, 
Multiple Source Localization Based on Biased Bearings Using the Intensity Filter - Approach and Experimental Results, 

[C170] S. Madhogaria, M. Schikora, W. Koch and D. Cremers, 
Pixel-based Classification Method for Detecting Unhealthy Regions in Leaf Images, 
*6th IEEE ISIF Workshop on Sensor Data Fusion: Trends, Solutions, Applications (SDF)*, Berlin, Germany, September 2011.

[C171] M. Schikora, W. Koch, R.L. Streit and D. Cremers, 
Sequential Monte Carlo Method for the iFilter, 
*14th International Conference on Information Fusion (FUSION)*, Chicago, IL, USA, July 2011.

[C172] M. Schikora, W. Koch and D. Cremers, 
Multi-object tracking via high accuracy optical flow and finite set statistics, 

[C173] E. Toeppe, M. R. Oswald, D. Cremers and C. Rother, 
Silhouette-Based Variational Methods for Single View Reconstruction, 

[C174] 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, 

[C175] 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.
C176] M. Schikora, D. Bender, D. Cremers and W. Koch,
Passive Multi-Object Localization and Tracking Using Bearing Data,

C177] M. Schikora, D. Bender, W. Koch and D. Cremers,
Multi-target multi-sensor localization and tracking using passive antenna and optical sensors on UAVs,

C178] E. Toeppe, M. R. Oswald, D. Cremers and C. Rother,
Image-based 3D Modeling via Cheeger Sets,
Queenstown, New Zealand, 53-64, November 2010, Received Honorable Mention Award.

C179] J. Stühmer, S. Gumhold and D. Cremers,
Real-Time Dense Geometry from a Handheld Camera,
Darmstadt, Germany, 11-20, September 2010.

C180] 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.

C181] B. Goldluecke and D. Cremers,
An Approach to Vectorial Total Variation based on Geometric Measure Theory,
2010.

C182] B. Goldluecke and D. Cremers,

C183] M. R. Oswald, E. Toeppe, K. Kolev and D. Cremers,
Non-Parametric Single View Reconstruction of Curved Objects using Convex Optimization,
Jena, Germany, 171-180, September 2009, Received a DAGM Paper Award.

C184] F. R. Schmidt and D. Cremers,
A Closed-Form Solution for Image Sequence Segmentation with Dynamical Shape Priors,
Jena, Germany, September 2009.

C185] F. R. Schmidt, E. Toeppe and D. Cremers,
Efficient Planar Graph Cuts with Applications in Computer Vision,
Miami, Florida, 351-356, June 2009, Received a CVPR Doctoral Spotlight Award.

C186] T. Pock, A. Chambolle, H. Bischof and D. Cremers,
A Convex Relaxation Approach for Computing Minimal Partitions,

C187] A. Wedel, C. Rabe, A. Meissner, U. Franke and D. Cremers,
Detection and Segmentation of Independently Moving Objects from Dense Scene Flow,
Author: D. Cremers

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[C188] B. Goldluecke and D. Cremers,
A Superresolution Framework for High-Accuracy Multiview Reconstruction,
Jena, Germany, 2009, Received DAGM Best Paper Award.

[C189] B. Goldluecke and D. Cremers,
Superresolution Texture Maps for Multiview Reconstruction,
Kyoto, Japan, 2009.

[C190] A. Sellent, M. Eisemann, B. Goldluecke, T. Pock, D. Cremers and M. Magnor,
Variational Optical Flow from Alternate Exposure Images,
135-143, 2009.

[C191] T. Pock, D. Cremers, H. Bischof and A. Chambolle,
An Algorithm for Minimizing the Piecewise Smooth Mumford-Shah Functional,
Kyoto, Japan, 2009.

[C192] A. Wedel, D. Cremers, T. Pock and H. Bischof,
Structure- and Motion-adaptive Regularization for High Accuracy Optic Flow,
Kyoto, Japan, 2009.

[C193] T. Schoenemann, F. Kahl and D. Cremers,
Curvature Regularity for Region-based Image Segmentation and Inpainting: A Linear Programming Relaxation,
Kyoto, Japan, 2009.

[C194] T. Windheuser, T. Schoenemann and D. Cremers,
Beyond Connecting the Dots: A Polynomial-time Algorithm for Segmentation and Boundary Estimation with Imprecise User Input,
Kyoto, Japan, 2009.

[C195] F. Steinbruecker, T. Pock and D. Cremers,
Large Displacement Optical Flow Computation without Warping,
Kyoto, Japan, 2009.

[C196] D. Mitzel, T. Pock, T. Schoenemann and D. Cremers,
Video Super Resolution using Duality Based TV-L1 Optical Flow,
Jena, Germany, 2009.

[C197] F. Steinbruecker, T. Pock and D. Cremers,
Advanced Data Terms for Variational Optic Flow Estimation,
Braunschweig, Germany, 2009.

[C198] T. Schoenemann, F. R. Schmidt and D. Cremers,
Image Segmentation with Elastic Shape Priors via Global Geodesics in Product Spaces,

[C199] T. Pock, T. Schoenemann, G. Graber, H. Bischof and D. Cremers,
A Convex Formulation of Continuous Multi-Label Problems,
Marseille, France, October 2008.

[C200] A. Wedel, C. Rabe, T. Vaudrey, T. Brox, U. Franke and D. Cremers,
Efficient Dense Scene Flow from Sparse or Dense Stereo Data,
Marseille, France, October 2008.
[C201] A. Wedel, T. Pock, J. Braun, U. Franke and D. Cremers,  
*Duality TV-L1 Flow with Fundamental Matrix Prior,*  

[C202] M. Klodt, T. Schoenemann, K. Kolev, M. Schikora and D. Cremers,  
*An Experimental Comparison of Discrete and Continuous Shape Optimization Methods,*  

[C203] A. Wedel, T. Pock, C. Zach, D. Cremers and H. Bischof,  
*An Improved Algorithm for TV-L1 Optical Flow,*  

[C204] W. Trobin, T. Pock, D. Cremers and H. Bischof,  
*An Unbiased Second-Order Prior for High-Accuracy Motion Estimation,*  
Munich, Germany, Springer, , June 2008.

[C205] B. Rosenhahn, C. Schmaltz, T. Brox, J. Weickert, D. Cremers and H.-P. Seidel,  
*Markerless Motion Capture of Man-Machine Interaction,*  
Anchorage, Alaska, June 2008.

[C206] T. Schoenemann and D. Cremers,  
*Matching Non-rigidly Deformable Shapes Across Images: A Globally Optimal Solution,*  
Anchorage, Alaska, June 2008.

[C207] T. Schoenemann and D. Cremers,  
*Globally Optimal Shape-based Tracking in Real-time,*  
Anchorage, Alaska, June 2008.

[C208] T. Schoenemann and D. Cremers,  
*High Resolution Motion Layer Decomposition using Dual-space Graph Cuts,*  
Anchorage, Alaska, June 2008.

[C209] B. Rosenhahn, T. Brox, D. Cremers and H.-P. Seidel,  
*Modeling and Tracking Line-Constrained Mechanical Systems,*  

[C210] O. Kleinschmidt, T. Brox and D. Cremers,  
*Nonlocal texture filtering with efficient tree structures and invariant patch similarity measures,*  
*Int. Workshop on Local and Nonlocal Approximation,* Lausanne, Switzerland, August 2008.

[C211] K. Kolev, M. Klodt, T. Brox and D. Cremers,  
*Propagated Photoconsistency and Convexity in Variational Multiview 3D Reconstruction,*  

[C212] K. Kolev, M. Klodt, T. Brox, S. Esedoglu and D. Cremers,  
*Continuous Global Optimization in Multiview 3D Reconstruction,*  
[C213] T. Brox, B. Rosenhahn, D. Cremers and H.-P. Seidel,
Nonparametric density estimation with adaptive anisotropic kernels for human
motion tracking,
A. Elgammal, B. Rosenhahn and R. Klette(Eds.), Proc. 2nd International Workshop on

[C214] T. Schoenemann and D. Cremers,
Globally Optimal Image Segmentation with an Elastic Shape Prior,
Rio de Janeiro, Brazil, October 2007.

[C215] T. Schoenemann and D. Cremers,
Introducing Curvature into Globally Optimal Image Segmentation: Minimum
Ratio Cycles on Product Graphs,
Rio de Janeiro, Brazil, October 2007.

[C216] F. R. Schmidt, Dirk Farin and D. Cremers,
Fast Matching of Planar Shapes in Sub-cubic Runtime,
Rio de Janeiro, Brazil, October 2007.

[C217] F. R. Schmidt, E. Toeppe, D. Cremers and Y. Boykov,
Intrinsic Mean for Semimetrical Shape Retrieval via Graph Cuts,

[C218] A. Wedel, T. Schoenemann, T. Brox and D. Cremers,
WarpCut - Fast obstacle segmentation in monocular video,

[C219] B. Rosenhahn, T. Brox, D. Cremers and H.-P. Seidel,
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