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[J30] E. Aljalbout, V. Golkov, Y. Siddiqui, M. Strobel and D. Cremers,
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[J45] J. Kukacka, V. Golkov and D. Cremers, 
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*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020, Oral Presentation.

Multi-path Learning for Object Pose Estimation Across Domains,

[C12] J. Wenger, H. Kjellström and R. Triebel,
Non-Parametric Calibration for Classification,
*International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2020.
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Visual-Inertial Telepresence for Aerial Manipulation,

[C14] Z. Ye, T. Möllenhoff, T. Wu and D. Cremers,
Optimization of Graph Total Variation via Active-Set-based Combinatorial Reconditioning,
International Conference on Artificial Intelligence and Statistics (AISTATS), 2020.

[C15] J Lee, M Humt, J Feng and R Triebel,
Estimating Model Uncertainty of Neural Networks in Sparse Information Form,

[C16] J Liu, I Chiotellis, R Triebel and D Cremers,
Effective Version Space Reduction for Convolutional Neural Networks,
European Conference on Machine Learning and Data Mining (ECML-PKDD), 2020.

[C17] M Denninger and R Triebel,
3D Scene Reconstruction from a Single Viewport,

[C18] J. Du, R. Wang and D. Cremers,
DH3D: Deep Hierarchical 3D Descriptors for Robust Large-Scale 6DoF Relocalization,
European Conference on Computer Vision (ECCV), 2020, Spotlight Presentation.

[C19] M Sewtz, T Bodenmüller and R Triebel,
Robust MUSIC-Based Sound Source Localization in Reverberant and Echoic Environments,

[C20] CL Gentil, M Vayugundla, R Giubilato, W Stürzl, TA. Vidal-Calleja and R Triebel,
Gaussian Process Gradient Maps for Loop-Closure Detection in Unstructured Planetary Environments,

[C21] C. Sommer, Y. Sun, E. Bylow and D. Cremers,
PrimiTect: Fast Continuous Hough Voting for Primitive Detection,

[C22] L. Koestler, N. Yang, R. Wang and D. Cremers,
Learning Monocular 3D Vehicle Detection without 3D Bounding Box Labels,

[C23] P. Wenzel, R. Wang, N. Yang, Q. Cheng, Q. Khan, L. von Stumberg, N. Zeller and D. Cremers,
4Seasons: A Cross-Season Dataset for Multi-Weather SLAM in Autonomous Driving,

[C24] B Holzschuh, Z Lähner and D Cremers,
Simulated Annealing for 3D Shape Correspondence,
[C25] M Aygün, Z Lähner and D Cremers,
Unsupervised Dense Shape Correspondence using Heat Kernels,

[C26] W Boerdijk, M Sundermeyer, M Durner and R Triebel,
Self-Supervised Object-in-Gripper Segmentation from Robotic Motions,
*Conference on Robot Learning (CoRL)*, 2020.

[C27] F Schiel, A Hagengruber, J Vogel and R Triebel,
Incremental learning of EMG-based control commands using Gaussian Processes,
*Conference on Robot Learning (CoRL)*, 2020.

[C28] M Stoiber, M Pfanne, K Strobl, R Triebel and A Albu-Schaeffer,
A Sparse Gaussian Approach to Region-Based 6DoF Object Tracking,
*Asian Conference on Computer Vision*, 2020, Best Paper Award.

[C29] L Meyer, K Strobl and R Triebel,
Robust Vision-Based Pose Correction for a Robotic Manipulator using Active Markers,

[C30] N Demmel, M Gao, E Laude, T Wu and D Cremers,
Distributed Photometric Bundle Adjustment,

[C31] L. von Stumberg, P. Wenzel, N. Yang and D. Cremers,
LM-Reloc: Levenberg-Marquardt Based Direct Visual Relocalization,

Shape Correspondence with Isometric and Non-Isometric Deformations,
Silvia Biasotti, Guillaume Lavoué and Remco C. Veltkamp(Eds.),

[C33] B. Haefner, Y. Queau and D. Cremers,
Photometric Segmentation: Simultaneous Photometric Stereo and Masking,
*International Conference on 3D Vision (3DV)*, Quebec City, Canada, September 2019, Spotlight Presentation.

[C34] B. Haefner, Z. Ye, M. Gao, T. Wu, Y. Queau and D. Cremers,
Variational Uncalibrated Photometric Stereo under General Lighting,
*International Conference on Computer Vision (ICCV)*, Seoul, South Korea, October 2019.

[C35] T. Yenamandra, F. Bernard, J. Wang, F. Mueller and C. Theobalt,
Convex Optimisation for Inverse Kinematics,
All: 1

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[C48] E. Jung, N. Yang and D. Cremers, 
Multi-Frame GAN: Image Enhancement for Stereo Visual Odometry in Low Light, 
Conference on Robot Learning (CoRL), 2019, Full Oral Presentation.

[C49] S. Weiss, R. Maier, R. Westermann, D. Cremers and N. Thuerey, 
Sparse Surface Constraints for Combining Physics-based Elasticity Simulation and Correspondence-Free Object Reconstruction, 

[C50] P. Brechet, T. Wu, T. Möllenhoff and D. Cremers, 
Informative GANs via Structured Regularization of Optimal Transport, 

[C51] F. Steidle, W. Stürzl and R. Triebel, 
Visual-inertial sensor fusion with a bio-inspired polarization compass for navigation of MAVs, 
11th International Micro Air Vehicle Competition and Conference (IMAV), 2019.

[C52] J. Feng, M. Durner, Z.-C. Marton, F. Balint-Benczedi and R. Triebel, 
Introspective Robot Perception using Smoothed Predictions from Bayesian Neural Networks, 

[C53] R. Henschel, L. Leal-Taixe, D. Cremers and B. Rosenhahn, 
Fusion of Head and Full-Body Detectors for Multi-Object Tracking, 

[C54] C. Sommer and D. Cremers, 
Joint Representation of Primitive and Non-primitive Objects for 3D Vision, 

[C55] C. Hazirbas, S. G. Soyer, M. C. Staab, L. Leal-Taixe and D. Cremers, 
Deep Depth From Focus, 
Asian Conference on Computer Vision (ACCV), December 2018.

[C56] B. Haefner, Y. Queau, T. Möllenhoff and D. Cremers, 
Fight ill-posedness with ill-posedness: Single-shot variational depth super-resolution from shading, 

Discrete-Continuous ADMM for Transductive Inference in Higher-Order MRFs, 
All: 1

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[C58] C Domokos, FR. Schmidt and D Cremers,  
MRF Optimization with Separable Convex Prior on Partially Ordered Labels,  

[C59] E. Laude, T. Wu and D. Cremers,  
A Nonconvex Proximal Splitting Algorithm under Moreau-Yosida Regularization,  
International Conference on Artificial Intelligence and Statistics (AISTATS), 2018.

[C60] 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.

[C61] R Scona, M Jaimez, YR. Petillot, M Fallon and D Cremers,  
StaticFusion: Background Reconstruction for Dense RGB-D SLAM in Dynamic Environments,  

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

q-Space Deep Learning for Alzheimer’s Disease Diagnosis: Global Prediction and Weakly-Supervised Localization,  

[C64] B. T. Do, V. Golkov, G. E. Gürel and D. Cremers,  
Precursor microRNA Identification Using Deep Convolutional Neural Networks,  

[C65] 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.

[C66] T. Frerix, T. Möllenhoff, M. Moeller and D. Cremers,  
Proximal Backpropagation,  

Semantic Labeling of Indoor Environments from 3D RGB Maps,  
All: 1

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[C68] L. von Stumberg, V. Usenko and D. Cremers,
Direct Sparse Visual-Inertial Odometry using Dynamic Marginalization,
International Conference on Robotics and Automation (ICRA), May 2018.

[C69] D. Schubert, T. Goll, N. Demmel, V. Usenko, J. Stueckler and D. Cremers,
The TUM VI Benchmark for Evaluating Visual-Inertial Odometry,

[C70] X. Gao, R. Wang, N. Demmel and D. Cremers,
LDSO: Direct Sparse Odometry with Loop Closure,

[C71] Z. Lähner, D. Cremers and T. Tung,
DeepWrinkles: Accurate and Realistic Clothing Modeling,
European Conference on Computer Vision (ECCV), September 2018, Oral Presentation.

[C72] N. Yang, R. Wang, J. Stueckler and D. Cremers,
Deep Virtual StereoOdometry: Leveraging Deep Depth Prediction for Monocular Direct Sparse Odometry,
European Conference on Computer Vision (ECCV), September 2018, Oral Presentation.

[C73] D. Schubert, N. Demmel, V. Usenko, J. Stueckler and D. Cremers,
Direct Sparse Odometry With Rolling Shutter,
European Conference on Computer Vision (ECCV), September 2018, Oral Presentation.

[C74] V. Usenko, N. Demmel and D. Cremers,
The Double Sphere Camera Model,

[C75] M. Sundermeyer, Z. Marton, M. Durner, M. Brucker and R. Triebel,
Implicit 3D Orientation Learning for 6D Object Detection from RGB Images,
European Conference on Computer Vision (ECCV), September 2018, Best Paper Award.

[C76] M. Denninger and R. Triebel,
Persistent Anytime Learning of Objects from Unseen Classes,

[C77] I. Grixa, P. Schulz, W. Stürzl and R. Triebel,
Appearance-Based Along-Route Localization for Planetary Missions,

[C78] I. Chiotellis, F. Zimmermann, D. Cremers and R. Triebel,
Incremental Semi-Supervised Learning from Streams for Object Classification,

[C79] 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.
All: 1

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6DoF Pose Estimation for Industrial Manipulation based on Synthetic Data,

[C81] C. Nissler, M. Durner, Z.-C. Marton and R. Triebel,
Simultaneous Calibration and Mapping,

[C82] 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.

[C83] M. Benning, M. Möller, R. Z. Nossek, M. Burger, D. Cremers and G. Gilboa,
Nonlinear Spectral Image Fusion,

[C84] D. Bender, W. Koch and D. Cremers,
Map-based drone homing using shortcuts,

[C85] G. Kuschk, A. Bozic and D. Cremers,
Real-time variational stereo reconstruction with applications to large-scale dense SLAM,

[C86] 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.

[C87] 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,

[C88] L. Ma, J. Stueckler, C. Kerl and D. Cremers,
Multi-View Deep Learning for Consistent Semantic Mapping with RGB-D Cameras,

[C89] M. Vestner, R. Litman, E. Rodola, A. Bronstein and D. Cremers,
Product Manifold Filter: Non-Rigid Shape Correspondence via Kernel Density Estimation in the Product Space,


[C101] Y. Queau, J. Melou, J.-D. Durou and D. Cremers, 
**Dense Multi-view 3D-reconstruction Without Dense Correspondences**,  

[C102] K. Kurach, S. Gelly, M. Jastrzebski, P. Haeusser, O. Teytaud, D. Vincent and O. Bousquet,  
**Better Text Understanding Through Image-To-Text Transfer**,  

[C103] P. Haeusser, T. Frerix, A. Mordvintsev and D. Cremers,  
**Associative Domain Adaptation**,  

[C104] Y. Queau, M. Pizenberg, D. Cremers and J.-D. Durou,  
**Stereophotometrie microscopique sans demosaïquage**,  
*GRETSI*, Juan-les-Pins, USA, 2017.

**Efficient Deformable Shape Correspondence via Kernel Matching**,  
*International Conference on 3D Vision (3DV)*, Qingdao, China, October 2017, **Oral Presentation**.

[C106] R. Maier, R. Schaller and D. Cremers,  
**Efficient Online Surface Correction for Real-time Large-Scale 3D Reconstruction**,  

[C107] J. Geiping, H. Dirks and D. Cremers,  
**Multiframe Motion Coupling for Video Super Resolution**,  

[C108] V. Golyanik, K. Kim, R. Maier, M. Niessner, D. Stricker and J. Kautz,  
**Multiframe Scene Flow with Piecewise Rigid Motion**,  
*International Conference on 3D Vision (3DV)*, Qingdao, China, October 2017, **Spotlight Presentation**.

[C109] R. Maier, K. Kim, D. Cremers, J. Kautz and M. Niessner,  
**Intrinsic3D: High-Quality 3D Reconstruction by Joint Appearance and Geometry Optimization with Spatially-Varying Lighting**,  

[C110] S. Peng, B. Haefner, Y. Queau and D. Cremers,  
**Depth Super-Resolution Meets Uncalibrated Photometric Stereo**,  
*International Conference on Computer Vision Workshops (ICCVW)*, 2017, **Oral Presentation at ICCV Workshop on Color and Photometry in Computer Vision**.

[C111] R. Wang, M. Schwörer and D. Cremers,  
**Stereo DSO: Large-Scale Direct Sparse Visual Odometry with Stereo Cameras**,  


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[C124] N. Mayer, E. Ilg, P. Häusser, P. Fischer, D. Cremers, A. Dosovitskiy and T. Brox, 
A Large Dataset to Train Convolutional Networks for Disparity, Optical Flow, 
and Scene Flow Estimation, 
2016 IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2016, Las 

[C125] V. Golkov, T. Sprenger, J. I. Sperl, M. I. Menzel, M. Czisch, P. Sämann and D. Cremers, 
Model-Free Novelty-Based Diffusion MRI, 
IEEE International Symposium on Biomedical Imaging (ISBI), Prague, Czech Republic, 
apr 2016.

[C126] 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, 
Annual Conference on Neural Information Processing Systems (NIPS), Barcelona, Spain, 
dec 2016, Oral Presentation (acceptance rate: under 2%).

[C127] Z. Lähner, E. Rodola, F. R. Schmidt, M. M. Bronstein and D. Cremers, 
Efficient Globally Optimal 2D-to-3D Deformable Shape Matching, 
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), May 2016.

[C128] V. Usenko, J. Engel, J. Stueckler and D. Cremers, 
Direct Visual-Inertial Odometry with Stereo Cameras, 
International Conference on Robotics and Automation (ICRA), May 2016.

[C129] A. Narr, R. Triebel and D. Cremers, 
Stream-based Active Learning for Efficient and Adaptive Classification of 3D 
Objects, 
International Conference on Robotics and Automation (ICRA), May 2016.

[C130] Z. Lähner, E. Rodola, M. M. Bronstein, D. Cremers, O. Burghard, L. Cosmo, A. Dieckmann, R. Klein and Y. Sahillioglu, 
SHREC’16: Matching of Deformable Shapes with Topological Noise, 
Proc. of Eurographics Workshop on 3D Object Retrieval (3DOR), May 2016.

[C131] L. Cosmo, E. Rodola, M. M. Bronstein, A. Torsello, D. Cremers and Y. Sahillioglu, 
SHREC’16: Partial Matching of Deformable Shapes, 
Proc. of Eurographics Workshop on 3D Object Retrieval (3DOR), May 2016.

[C132] T. Möllenhoff, E. Laude, M. Moeller, J. Lellmann and D. Cremers, 
Sublabel-Accurate Relaxation of Nonconvex Energies, 
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2016, Oral Pre- 
sentation, Received the Best Paper Honorable Mention Award at CVPR 2016.

[C133] L. Ma, C. Kerl, J. Stueckler and D. Cremers, 
CPA-SLAM: Consistent Plane-Model Alignment for Direct RGB-D SLAM, 
International Conference on Robotics and Automation (ICRA), May 2016.

[C134] J. Engel, V. Usenko and D. Cremers, 
A Photometrically Calibrated Benchmark For Monocular Visual Odometry, 

[C135] J. Engel, V. Koltun and D. Cremers, 
Direct Sparse Odometry, 


[C147] C. Hazirbas, J. Diebold and D. Cremers, 
Optimizing the Relevance-Redundancy Tradeoff for Efficient Semantic Segmentation, 
*Scale Space and Variational Methods in Computer Vision (SSVM)*, June 2015, Oral Presentation.

[C148] A. Kanezaki, E. Rodola and T. Harada, 
RGB-D [Graph matching gakushuu wo mochiita RGB-D gazou kara no butai kenshutsu] - Learning graph matching for object detection from RGB-D images, 

[C149] T. Möllenhoff, E. Strekalovskiy, M. Möller and D. Cremers, 
Low Rank Priors for Color Image Regularization, 

[C150] M. Jaimez, M. Souiai, J. Gonzalez-Jimenez and D. Cremers, 
A Primal-Dual Framework for Real-Time Dense RGB-D Scene Flow, 
*Proc. of the IEEE Int. Conf. on Robotics and Automation (ICRA)*, 2015.

[C151] J. Stühmer and D. Cremers, 
A Fast Projection Method for Connectivity Constraints in Image Segmentation, 

[C152] R. Mecca, E. Rodola and D. Cremers, 
Analysis of Surface Parametrizations for Modern Photometric Stereo Modeling, 
*International Conference on Quality Control by Artificial Vision (QCAV)*, 2015.

[C153] F. Bergamasco, A. Albarelli, L. Cosmo, A. Torsello, E. Rodola and D. Cremers, 
Adopting an Unconstrained Ray Model in Light-field Cameras for 3D Shape Reconstruction, 
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2015.

[C154] D. Mund, R. Triebel and D. Cremers, 
Active Online Confidence Boosting for Efficient Object Classification, 

Using Diffusion and Structural MRI for the Automated Segmentation of Multiple Sclerosis Lesions, 

[C156] M.I. Menzel, T. Sprenger, E.T. Tan, V. Golkov, C.J. Hardy, L. Marinelli and J.I. Sperl, 
Robustness of Phase Sensitive Reconstruction in Diffusion Spectrum Imaging, 
[C157] A. Menini, V. Golkov and F. Wiesinger,
Free-Breathing, Self-Navigated RUFIS Lung Imaging with Motion Compensated Image Reconstruction,

q-Space Deep Learning for Twelve-Fold Shorter and Model-Free Diffusion MRI Scans,

[C159] 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,
*IEEE International Conference on Computer Vision (ICCV)*, dec 2015.

SPENCER: A Socially Aware Service Robot for Passenger Guidance and Help in Busy Airports,

[C161] D. Holz, A. Topalidou-Kyniazopoulou, J. Stueckler and S. Behnke,
Real-Time Object Detection, Localization and Verification for Fast Robotic Depalletizing,

[C162] J. Engel, J. Stueckler and D. Cremers,
Large-Scale Direct SLAM with Stereo Cameras,

[C163] D. Caruso, J. Engel and D. Cremers,
Large-Scale Direct SLAM for Omnidirectional Cameras,

[C164] Y. Tao, R. Triebel and D. Cremers,
Semi-supervised Online Learning for Efficient Classification of Objects in 3D Data Streams,

[C165] R. Maier, J. Stueckler and D. Cremers,
Super-Resolution Keyframe Fusion for 3D Modeling with High-Quality Textures,

[C166] V. Usenko, J. Engel, J. Stueckler and D. Cremers,
Reconstructing Street-Scenes in Real-Time From a Driving Car,
[C167] M. Jaimez, M. Souiai, J. Stueckler, J. Gonzalez-Jimenez and D. Cremers, 
Motion Cooperation: Smooth Piece-Wise Rigid Scene Flow from RGB-D Images, 

[C168] E. Rodola, M. Moeller and D. Cremers, 
Point-wise Map Recovery and Refinement from Functional Correspondence, 
*Proceedings Vision, Modeling and Visualization (VMV)*, Aachen, Germany, 2015, Received the Best Paper Award.

[C169] C. Kerl, J. Stueckler and D. Cremers, 
Dense Continuous-Time Tracking and Mapping with Rolling Shutter RGB-D Cameras, 
*IEEE International Conference on Computer Vision (ICCV)*, Santiago, Chile, 2015.

[C170] M. Souiai, M. R. Oswald, Y. Kee, J. Kim, M. Pollefeys and D. Cremers, 
Entropy Minimization for Convex Relaxation Approaches, 
*IEEE International Conference on Computer Vision (ICCV)*, Santiago, Chile, 2015.

[C171] 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.

[C172] N. Nagaraja, F. R. Schmidt and T. Brox, 
Video Segmentation with Just a Few Strokes, 
*IEEE International Conference on Computer Vision (ICCV)*, Santiago, Chile, Dec 2015.

Model-Based Tracking at 300Hz using Raw Time-of-Flight Observations, 
*IEEE International Conference on Computer Vision (ICCV)*, Santiago, Chile, 2015.

Novel Acquisition Scheme for Diffusion Kurtosis Imaging Based on Compressed-Sensing Accelerated DSI Yielding Superior Image Quality, 

Total Variation-Regularized Compressed Sensing Reconstruction for Multi-Shell Diffusion Kurtosis Imaging, 

Direct Reconstruction of the Average Diffusion Propagator with Simultaneous Compressed-Sensing-Accelerated Diffusion Spectrum Imaging and Image Denoising by Means of Total Generalized Variation Regularization, 
[C177] 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,

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

[C179] D. B. AD. CJ. C D. Weikersdorfer,
Event-based 3D SLAM with a depth-augmented dynamic vision sensor,

[C180] F. Steinbruecker, J. Sturm and D. Cremers,
Volumetric 3D Mapping in Real-Time on a CPU,

[C181] E. Rodola, S. R Bulo, T. Windheuser, M. Vestner and D. Cremers,
Dense Non-Rigid Shape Correspondence Using Random Forests,
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2014.

[C182] Y. Kee, M. Souiai, D. Cremers and J. Kim,
Sequential Convex Relaxation for Mutual-Information-Based Unsupervised Figure-Ground Segmentation,
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2014.

[C183] H. Alvarez, L.M. Paz, J. Sturm and D. Cremers,
Collision Avoidance for Quadrotors with a Monocular Camera,

[C184] J. Engel, T. Schöps and D. Cremers,
LSD-SLAM: Large-Scale Direct Monocular SLAM,
*European Conference on Computer Vision (ECCV)*, September 2014, Oral Presentation.

[C185] T. Schöps, J. Engel and D. Cremers,
Semi-Dense Visual Odometry for AR on a Smartphone,

[C186] T. Windheuser, M. Vestner, E. Rodola, R. Triebel and D. Cremers,
Optimal Intrinsic Descriptors for Non-Rigid Shape Analysis,

[C187] 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.

[C188] 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, Oral Presentation.
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[C189] 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, sep 2014.

[C190] M. R. Oswald and D. Cremers, 
Surface Normal Integration for Convex Space-time Multi-view Reconstruction, 

[C191] C. Nieuwenhuis, S. Hawe, M. Kleinsteuber and D. Cremers, 
Co-Sparse Textural Similarity for Interactive Segmentation, 

[C192] M. R. Oswald, J. Stühmer and D. Cremers, 
Generalized Connectivity Constraints for Spatio-temporal 3D Reconstruction, 

[C193] E. Strekalovskiy and D. Cremers, 
Real-Time Minimization of the Piecewise Smooth Mumford-Shah Functional, 

[C194] A. Kanezaki, E. Rodola and T. Harada, 
RGB-D [RGB-D gazou kara no buttai kenshutsu ni okeru taisu tenshuugou ruijido no gakushuu], 

[C195] A. Kanezaki, E. Rodola, D. Cremers and T. Harada, 
[Taiou tenshuugou ruijido gakushuu wo mochiita goutai-higoutai buttai kenshutsu], 

[C196] 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.

[C197] O. Dunkley, J. Engel, J. Sturm and D. Cremers, 
Visual-Inertial Navigation for a Camera-Equipped 25g Nano-Quadrotor, 

[C198] 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.

[C199] S. Debnath, S. S. Baishya, R. Triebel, V. Dutt and D. Cremers, 
Environment-adaptive Learning: How Clustering Helps to Obtain Good Training Data, 

[C200] A. Kanezaki, E. Rodola, D. Cremers and T. Harada, 
Learning Similarities for Rigid and Non-Rigid Object Detection, 
[C201] D. Bender, M. Schikora, J. Sturm and D. Cremers, 
**INS-Camera Calibration without Ground Control Points,**

[C202] C. Kerl, M. Souiai, J. Sturm and D. Cremers,
**Towards Illumination-invariant 3D Reconstruction using ToF RGB-D Cameras,**

[C203] J. Stueckler and S. Behnke,
**Adaptive Tool-Use Strategies for Anthropomorphic Service Robots,**

[C204] D. Droeschel, J. Stueckler and S. Behnke, 
**Local Multi-Resolution Surfel Grids for MAV Motion Estimation and 3D Mapping,**

[C205] J. Stueckler, A. Gutt and S. Behnke, 
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[C255] M. McElhone, J. Stueckler and S. Behnke,
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[C257] A. Berner, J Li, D. Holz, J. Stueckler, S. Behnke and R. Klein,
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[C259] M. Nieuwenhuisen, D. Droeschel, D. Holz, J. Stueckler, A. Berner, J Li, R. Klein and S. Behnke,
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[C260] L. Gorelick, F. R. Schmidt and Y. Boykov,
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[C261] L. Ma, T. Whelan, E. Bondarev, P. H. N. de With and J. McDonald,
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<tr>
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