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[J11] E Rodola, Z Lähner, AM. Bronstein, MM. Bronstein and J Solomon, 
Functional Maps Representation on Product Manifolds, 

[J12] M. C. Mukkamala, F. Westerkamp, E. Laude, D. Cremers and P. Ochs, 
Bregman Proximal Framework for Deep Linear Neural Networks, 

[J13] M. Eisenberger, Z. Lähner and D. Cremers, 
Divergence-Free Shape Correspondence by Deformation, 

[J14] H Tjaden, U Schwanecke, E Schömer and D Cremers, 
A Region-based Gauss-Newton Approach to Real-Time Monocular Multiple 
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[J15] T. Frerix, M. Niesner and D. Cremers, 
Homogeneous Linear Inequality Constraints for Neural Network Activations, 

A Non-invasive 3D Body Scanner and Software Tool towards Analysis of Scoliosis, 

[J17] F. Pasa, V. Golkov, F. Pfeiffer, D. Cremers and D. Pfeiffer, 
Efficient Deep Network Architectures for Fast Chest X-Ray Tuberculosis 
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[J18] J. Schuchardt, V. Golkov and D. Cremers, 
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[J21] J. Engel, V. Koltun and D. Cremers, 
Direct Sparse Odometry, 

[J22] N. Yang, R. Wang, X. Gao and D. Cremers, 
Challenges in Monocular Visual Odometry: Photometric Calibration, Motion 
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[J47] M. Burger, G. Gilboa, M. Möller, L. Eckardt and D. Cremers, 
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[J48] D. Boscaini, J. Masci, E. Rodola, M. M. Bronstein and D. Cremers, 
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[J49] F. Bergamasco, A. Albarelli, L. Cosmo, E. Rodola and A. Torsello, 
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[J51] V. Golkov, A. Dosovitskiy, J. I. Sperl, M. I. Menzel, M. Czisch, P. Sämann, T. Brox and D. Cremers, 
q-Space Deep Learning: Twelve-Fold Shorter and Model-Free Diffusion MRI Scans, 

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[J53] M. Strumia, F. R. Schmidt, C. Anastasopoulos, C. Granziera, G. Krueger and T. Brox, 
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Efficient Reactive Navigation with Exact Collision Determination for 3D Robot Shapes,

[J62] J. Stueckler and S. Behnke,
Efficient Dense Rigid-Body Motion Segmentation and Estimation in RGB-D Video,

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[J65] E. Rodola, A. Albarelli, D. Cremers and A. Torsello,
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[J66] R. Mecca, E. Rodola and D. Cremers,
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[J67] T. Möllenhoff, E. Strekalovskiy, M. Möller and D. Cremers,
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[J69] H Grimmett, R Triebel, R Paul and I Posner,
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*Adaptive structure tensors and their applications*,

[BC17] D. Cremers and T. Kohlberger,
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[BC18] S. Manay, D. Cremers, B. W. Hong, A. Yezzi and S. Soatto,
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[C3] R. Wang, N. Yang, J. Stueckler and D. Cremers,
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[C18] M Sewtz, T Bodenmüller and R Triebel, 
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Optimization of Inf-Convolution Regularized Nonconvex Composite Problems,
*International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2019.

[C34] T. Möllenhoff and D. Cremers,
Lifting Vectorial Variational Problems: A Natural Formulation based on Geometric Measure Theory and Discrete Exterior Calculus,
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2019, Oral Presentation.

[C35] T. Möllenhoff and D. Cremers,
Flat Metric Minimization with Applications in Generative Modeling,

[C36] T. Frerix and J. Bruna,
Approximating Orthogonal Matrices with Effective Givens Factorization,

[C37] Q. Khan, P. Wenzel, D. Cremers and L. Leal-Taixe,
Towards Generalizing Sensorimotor Control Across Weather Conditions,
[C38] E.Y. Puang, P. Lehner, Z.C. Marton, M. Durner, R. Triebel and A. Albu-Schäffer, 
Visual Repetition Sampling for Robot Manipulation Planning, 

[C39] M. Moeller, T. Möllenhoff and D. Cremers, 
Controlling Neural Networks via Energy Dissipation, 
International Conference on Computer Vision (ICCV), Seoul, South Korea, 10 2019.

[C40] 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.

[C41] 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, 

[C42] P. Brechet, T. Wu, T. Möllenhoff and D. Cremers, 
Informative GANs via Structured Regularization of Optimal Transport, 

[C43] 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.

[C44] J. Feng, M. Durner, Z.-C. Marton, F. Balint-Benczedi and R. Triebel, 
Introspective Robot Perception using Smoothed Predictions from Bayesian 
Neural Networks, 

[C45] R. Henschel, L. Leal-Taixe, D. Cremers and B. Rosenhahn, 
Fusion of Head and Full-Body Detectors for Multi-Object Tracking, 
2018 IEEE Conference on Computer Vision and Pattern Recognition Workshops, CVPR 
Workshops 2018, Salt Lake City, UT, USA, June 18-22, 2018, IEEE Computer Society, 

[C46] C. Sommer and D. Cremers, 
Joint Representation of Primitive and Non-primitive Objects for 3D Vision, 
2018 International Conference on 3D Vision, 3DV 2018, Verona, Italy, September 5-8, 

[C47] 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.

[C48] B. Haefner, Y. Queau, T. Möllenhoff and D. Cremers, 
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.


M. Brucker, M. Durner, R. Ambrus, Z.-C. Marton, A. Wendt, P. Jensfelt, K.O. Arras and R. Triebel,
Semantic Labeling of Indoor Environments from 3D RGB Maps,

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.

D. Schubert, T. Goll, N. Demmel, V. Usenko, J. Stueckler and D. Cremers,
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X. Gao, R. Wang, N. Demmel and D. Cremers,
LDSO: Direct Sparse Odometry with Loop Closure,

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

N. Yang, R. Wang, J. Stueckler and D. Cremers,
Deep Virtual Stereo Odometry: Leveraging Deep Depth Prediction for Monocular Direct Sparse Odometry,
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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.

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

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.

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

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

I. Chiotellis, F. Zimmermann, D. Cremers and R. Triebel,
Incremental Semi-Supervised Learning from Streams for Object Classification,
[C71] 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.

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

[C73] C. Nissler, M. Durner, Z.-C. Marton and R. Triebel,
Simultaneous Calibration and Mapping,

[C74] 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.

[C75] M. Benning, M. Möller, R. Z. Nossek, M. Burger, D. Cremers and G. Gilboa,
Nonlinear Spectral Image Fusion,

[C76] D. Bender, W. Koch and D. Cremers,
Map-based drone homing using shortcuts,

[C77] G. Kuschk, A. Bozic and D. Cremers,
Real-time variational stereo reconstruction with applications to large-scale dense SLAM,

[C78] M. Jaimez, C. Kerl, J. Gonzalez-Jimenez and D. Cremers,
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[C79] 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,

[C80] L. Ma, J. Stueckler, C. Kerl and D. Cremers,
Multi-View Deep Learning for Consistent Semantic Mapping with RGB-D Cameras,
[C81] 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,

[C82] M. Dzitsiuk, J. Sturm, R. Maier, L. Ma and D. Cremers,
De-noising, Stabilizing and Completing 3D Reconstructions On-the-go using
Plane Priors,

[C83] L. von Stumberg, V. Usenko, J. Engel, J. Stueckler and D. Cremers,
From Monocular SLAM to Autonomous Drone Exploration,

[C84] F. Walch, C. Hazirbas, L. Leal-Taixe, T. Sattler, S. Hilsenbeck and D. Cremers,
Image-based localization using LSTMs for structured feature correlation,

[C85] J.C. Peeken, C. Knie, V. Golkov, K. Kessel, F. Pasa, Q. Khan, M. Seroglazov, J. Kukacka,
T. Goldberg, L. Richter, J. Reeb, B. Rost, F. Pfeiffer, D. Cremers, F. Nüsslin and S.E.
Combs,
Establishment of an interdisciplinary workflow of machine learning-based Radiomics in sarcoma patients,

[C86] Y. Queau, M. Pizenberg, J.-D. Durou and D. Cremers,
Microgeometry capture and RGB albedo estimation by photometric stereo
without demosaicing,

[C87] P. Haeusser, A. Mordvintsev and D. Cremers,
Learning by Association - A versatile semi-supervised training method for
neural networks,

[C88] M. Slavcheva, M. Baust, D. Cremers and S. Ilic,
KillingFusion: Non-rigid 3D Reconstruction without Correspondences,

[C89] V. Usenko, L. von Stumberg, A. Pangeric and D. Cremers,
Real-Time Trajectory Replanning for MAVs using Uniform B-splines and a
3D Circular Buffer,
*International Conference on Intelligent Robots and Systems (IROS)*, Vancouver, Canada,
Sep 2017, Best Paper Award - Finalist ()

[C90] Y. Queau, T. Wu, F. Lauze, J.-D. Durou and D. Cremers,
A Non-Convex Variational Approach to Photometric Stereo under Inaccurate
Lighting,
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[C91] T. Meinhardt, M. Moeller, C. Hazirbas and D. Cremers,  
Learning Proximal Operators: Using Denoising Networks for Regularizing Inverse Imaging Problems,  

One-Shot Video Object Segmentation,  

[C93] Y. Queau, J. Melou, J.-D. Durou and D. Cremers,  
Dense Multi-view 3D-reconstruction Without Dense Correspondences,  

[C94] K. Kurach, S. Gelly, M. Jastrzbski, P. Haeusser, O. Teytaud, D. Vincent and O. Bousquet,  
Better Text Understanding Through Image-To-Text Transfer,  

[C95] P. Haeusser, T. Frerix, A. Mordvintsev and D. Cremers,  
Associative Domain Adaptation,  

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GRETSI, Juan-les-Pins, USA, 2017.

Efficient Deformable Shape Correspondence via Kernel Matching,  
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[C98] R. Maier, R. Schaller and D. Cremers,  
Efficient Online Surface Correction for Real-time Large-Scale 3D Reconstruction,  
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[C99] J. Geiping, H. Dirks and D. Cremers,  
Multiframe Motion Coupling for Video Super Resolution,  

[C100] V. Golyanik, K. Kim, R. Maier, M. Niessner, D. Stricker and J. Kautz,  
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[C101] 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,  
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[C126] J. Engel, V. Usenko and D. Cremers,
A Photometrically Calibrated Benchmark For Monocular Visual Odometry,

[C127] J. Engel, V. Koltun and D. Cremers,
Direct Sparse Odometry,

[C128] E. Laude, T. Möllenhoff, M. Moeller, J. Lellmann and D. Cremers,
Sublabel-Accurate Convex Relaxation of Vectorial Multilabel Energies,
European Conference on Computer Vision (ECCV), October 2016.

[C129] D. Bender, D. Cremers and W. Koch,
A position free boresight calibration for INS-camera systems,
2016 IEEE International Conference on Multisensor Fusion and Integration for Intelligent

[C130] I. Chiotellis, R. Triebel, T. Windheuser and D. Cremers,
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[C131] T. Windheuser and D. Cremers,
A Convex Solution to Spatially-Regularized Correspondence Problems,
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[C132] S. Sharifzadeh, I. Chiotellis, R. Triebel and D. Cremers,
Learning to Drive using Inverse Reinforcement Learning and Deep Q-Networks,
NIPS Workshops, December 2016.

[C133] D. Bender, F. Rouatbi, M. Schikora, D. Cremers and W. Koch,
Scaling the world of monocular SLAM with INS-measurements for UAS navigation,
19th International Conference on Information Fusion, FUSION 2016, Heidelberg, Germany,

[C134] D. Klostermann, A. Osep, J. Stueckler and B. Leibe,
Unsupervised Learning of Shape-Motion Patterns for Objects in Urban Street Scenes,
British Machine Vision Conference (BMVC), 2016.

[C135] D. Kochanov, A. Osep, J. Stueckler and B. Leibe,
Scene Flow Propagation for Semantic Mapping and Object Discovery in Dynamic Street Scenes,

[C136] F. Engelmann, J. Stueckler and B. Leibe,
Joint Object Pose Estimation and Shape Reconstruction in Urban Street Scenes Using 3D Shape Priors,
Proc. of the German Conference on Pattern Recognition (GCPR), 2016.

[C137] M. Moeller, J. Diebold, G. Gilboa and D. Cremers,
Learning Nonlinear Spectral Filters for Color Image Reconstruction,
IEEE International Conference on Computer Vision (ICCV), 2015.
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[C138] J. Diebold, N. Demmel, C. Hazirbas, M. Möller and D. Cremers,
Interactive Multi-label Segmentation of RGB-D Images,
Scale Space and Variational Methods in Computer Vision (SSVM), june 2015.

[C139] 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.

[C140] A. Kanezaki, E. Rodola and T. Harada,
RGB-D [Graph matching gakushuu wo mochiita RGB-D gazou kara no buttai kenshutsu] - Learning graph matching for object detection from RGB-D images,
20 - Robotics Symposia (RS), Karuizawa, Japan, mar 2015.

[C141] T. Möllenhoff, E. Strekalovskiy, M. Möller and D. Cremers,
Low Rank Priors for Color Image Regularization,

[C142] 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.

[C143] J. Stühmer and D. Cremers,
A Fast Projection Method for Connectivity Constraints in Image Segmentation,

[C144] 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.

[C145] 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.

[C146] 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,
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[C158] V. Usenko, J. Engel, J. Stueckler and D. Cremers,
Reconstructing Street-Scenes in Real-Time From a Driving Car,

[C159] M. Jaimez, M. Souiai, J. Stueckler, J. Gonzalez-Jimenez and D. Cremers,
Motion Cooperation: Smooth Piece-Wise Rigid Scene Flow from RGB-D Images,

[C160] 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.

[C161] 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.

[C162] 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.

[C163] 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.

[C164] 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,
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Total Variation-Regularized Compressed Sensing Reconstruction for Multi-Shell Diffusion Kurtosis Imaging,

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32
Semi-Joint Reconstruction for Diffusion MRI Denoising Imposing Similarity 
of Edges in Similar Diffusion-Weighted Images, 
*International Society for Magnetic Resonance in Medicine (ISMRM) Annual Meeting*, 
2014.

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

[C171] D. B. AD. C J. C D. Weikersdorfer, 
Event-based 3D SLAM with a depth-augmented dynamic vision sensor, 

[C172] F. Steinbruecker, J. Sturm and D. Cremers, 
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[C173] E. Rodola, S. R Bulo, T. Windheuser, M. Vestner and D. Cremers, 
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[C174] Y. Kee, M. Souiai, D. Cremers and J. Kim, 
Sequential Convex Relaxation for Mutual-Information-Based Unsupervised 
Figure-Ground Segmentation, 
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[C175] H. Alvarez, L.M. Paz, J. Sturm and D. Cremers, 
Collision Avoidance for Quadrotors with a Monocular Camera, 

[C176] J. Engel, T. Schöps and D. Cremers, 
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*European Conference on Computer Vision (ECCV)*, September 2014, Oral Presentation.

[C177] T. Schöps, J. Engel and D. Cremers, 
Semi-Dense Visual Odometry for AR on a Smartphone, 
*International Symposium on Mixed and Augmented Reality*, September 2014, Best Short 
Paper Award.

[C178] T. Windheuser, M. Vestner, E. Rodola, R. Triebel and D. Cremers, 
Optimal Intrinsic Descriptors for Non-Rigid Shape Analysis, 

[C179] M. Strobel, J. Diebold and D. Cremers, 
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Oral Presentation.

[C180] 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.
[C181] 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.

[C182] M. R. Oswald and D. Cremers,
Surface Normal Integration for Convex Space-time Multi-view Reconstruction,

[C183] C. Nieuwenhuis, S. Hawe, M. Kleinsteuber and D. Cremers,
Co-Sparse Textural Similarity for Interactive Segmentation,

[C184] M. R. Oswald, J. Stühmer and D. Cremers,
Generalized Connectivity Constraints for Spatio-temporal 3D Reconstruction,

[C185] E. Strekalovskiy and D. Cremers,
Real-Time Minimization of the Piecewise Smooth Mumford-Shah Functional,

[C186] A. Kanezaki, E. Rodola and T. Harada,
RGB-D [RGB-D gazou kara no buttai kenshutsu ni okeru taiou tenshuugou ruijido no gakushuu],

[C187] A. Kanezaki, E. Rodola, D. Cremers and T. Harada,
[Taiou tenshuugou ruijido gakushuu wo mochiita goutai-higoutai buttai kenshutsu],

[C188] 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.

[C189] O. Dunkley, J. Engel, J. Sturm and D. Cremers,
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[C190] R. Triebel, J. Stühmer, M. Souiai and D. Cremers,
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*German Conference on Pattern Recognition*, 2014.

[C191] S. Debnath, S. S. Baishya, R. Triebel, V. Dutt and D. Cremers,
Environment-adaptive Learning: How Clustering Helps to Obtain Good Training Data,

[C192] A. Kanezaki, E. Rodola, D. Cremers and T. Harada,
Learning Similarities for Rigid and Non-Rigid Object Detection,
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.

C. Kerl, M. Souiai, J. Sturm and D. Cremers, 
**Towards Illumination-invariant 3D Reconstruction using ToF RGB-D Cameras**, 
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**Adaptive Tool-Use Strategies for Anthropomorphic Service Robots**, 

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**Local Multi-Resolution Surfel Grids for MAV Motion Estimation and 3D Mapping**, 

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**Combining the Strengths of Sparse Interest Point and Dense Image Registration for RGB-D Odometry**, 
Proc. of the Joint 45th International Symposium on Robotics (ISR) and 8th German Conference on Robotics (ROBOTIK), to appear, jun 2014.

J. Stueckler and S. Behnke, 
**Efficient deformable registration of multi-resolution surfel maps for object manipulation skill transfer**, 

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**Local multi-resolution representation for 6D motion estimation and mapping with a continuously rotating 3D laser scanner**, 
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M. Schwarz, J. Stueckler and S. Behnke, 
**Mobile Teleoperation Interfaces with Adjustable Autonomy for Personal Service Robots**, 

F. R. Schmidt, T. Windheuser, U. Schlickewei and D. Cremers, 
**Dense Elastic 3D Shape Matching**, 

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**Wimmelbild Analysis with Approximate Curvature Coding Distance Images**, 
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[C203] J Bergbauer and S Tari,
Top-down visual search in Wimmelbild,

[C204] F. Bergamasco, A. Albarelli, E. Rodola and A. Torsello,
Can a fully unconstrained imaging model be applied effectively to central cameras?

[C205] M. Souiai, C. Nieuwenhuis, E. Strekalovskiy and D. Cremers,
Convex Optimization for Scene Understanding,
ICCV Workshop on Graphical Models for Scene Understanding, 2013.

[C206] 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.

[C207] 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,

[C208] 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,
European Society for Magnetic Resonance in Medicine and Biology (ESMRMB) Annual Meeting, 2013, Certificate of Merit Award.

[C209] V. Golkov, M.I. Menzel, T. Sprenger, A. Menini, D. Cremers and J.I. Sperl,
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16th Annual Meeting of the German Chapter of the ISMRM, 2013, Oral Presentation.

[C210] 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.

SNR-dependent Quality Assessment of Compressed-Sensing-Accelerated Diffusion Spectrum Imaging Using a Fiber Crossing Phantom,

Phase Sensitive Reconstruction in Diffusion Spectrum Imaging Enabling Velocity Encoding and Unbiased Noise Distribution,
*Noise Reduction in Accelerated Diffusion Spectrum Imaging through Integration of SENSE Reconstruction into Joint Reconstruction in Combination with q-Space Compressed Sensing,* 

[C214] C. Kerl, J. Sturm and D. Cremers, 
*Robust Odometry Estimation for RGB-D Cameras,* 

[C215] E. Toeppe, C. Nieuwenhuis and D. Cremers, 
*Volume Constraints for Single View Reconstruction,* 

*Toward Automated Driving in Cities using Close-to-Market Sensors,* 
*Proc. of IEEE Intelligent Vehicles Symposium,* 2013.

*Knowing When We Don’t Know: Introspective Classification for Mission-Critical Decision Making,* 

[C218] A. SD. C D. Weikersdorfer, 
*Depth-adaptive Supervoxels for RGB-D Video Segmentation,* 

[C219] R. Triebel, H. Grimmett and I. Posner, 
*Confidence Boosting: Improving the Introspectiveness of a Boosted Classifier for Efficient Learning,* 
* Autonomous Learning Workshop at ICRA,* 2013.

*Introspective Active Learning for Scalable Semantic Mapping,* 

[C221] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers, 
*Real-Time Camera Tracking and 3D Reconstruction Using Signed Distance Functions,* 

[C222] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers, 
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<td>A. Albarelli, E. Rodola and A. Torsello</td>
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