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[J1] L. von Stumberg and D. Cremers,
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[J3] T Yenamandra, A Tewari, N Yang, F Bernard, C Theobalt and D Cremers,
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[C5] T Frerix, D Kochkov, J Smith, D Cremers, M Brenner and S Hoyer, 
Variational Data Assimilation with a Learned Inverse Observation Operator, 
All: 1

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[C6] M. Eisenberger, D. Novotny, G. Kerchenbaum, P. Labatut, N. Neverova, D. Cremers and A. Vedaldi, 
NeuroMorph: Unsupervised Shape Interpolation and Correspondence in One Go, 

[C7] M. C. Mukkamala, F. Westerkamp, E. Laude, D. Cremers and P. Ochs, 
Bregman Proximal Gradient Algorithms for Deep Matrix Factorization, 
Elmoatay, Abderrahim, Fadili, Jalal, Quéau, Yvain, Rabin, Julien, Simon and Loïc(Eds.), 

[C8] Z. Ye, B. Haefner, Y. Queau, T. Möllenhoff and D. Cremers, 
Sublabel-Accurate Multilabeling Meets Product Label Spaces, 
German Conference on Pattern Recognition (GCPR), 2021.

[C9] F. Wimbauer, N. Yang, L. von Stumberg, N. Zeller and D Cremers, 
MonoRec: Semi-Supervised Dense Reconstruction in Dynamic Environments from a Single Moving Camera, 

[C10] T Yenamandra, A Tewari, F Bernard, HP Seidel, M Elgharib, D Cremers and C Theobalt, 
i3DMM: Deep Implicit 3D Morphable Model of Human Heads, 

[C11] M Gao, Z Lähner, J Thunberg, D Cremers and F Bernard, 
Isometric Multi-Shape Matching, 

[C12] M Naeyaert, V Golkov, D Cremers, J Sijbers and M Verhoye, 
Faster and better HARDI using FSE and holistic reconstruction, 

[C13] P. Müller, V. Golkov, V. Tomassini and D. Cremers, 
Rotation-Equivariant Deep Learning for Diffusion MRI (short version), 

[C14] Q. Khan, P. Wenzel and D. Cremers, 
Self-Supervised Steering Angle Prediction for Vehicle Control Using Visual Odometry, 
International Conference on Artificial Intelligence and Statistics (AISTATS), 2021.

[C15] M. Gladkova, R. Wang, N. Zeller and D. Cremers, 
Tight Integration of Feature-based Relocalization in Monocular Direct Visual Odometry, 
[C16] Y. Xia, Y. Xu, S. Li, R. Wang, J. Du, D. Cremers and U. Stilla, 
SOE-Net: A Self-Attention and Orientation Encoding Network for Point Cloud based Place Recognition, 

[C17] P. Wenzel, T. Schön, L. Leal-Taixe and D. Cremers, 
Vision-Based Mobile Robotics Obstacle Avoidance With Deep Reinforcement Learning, 

[C18] M Sewtz, X Luo, J Landgraf, T Bodenmüller and R Triebel, 
Robust Approaches for Localization on Multi-camera Systems in Dynamic Environments, 

[C19] D Winkelbauer, M Denninger and R Triebel, 
Learning to Localize in New Environments from Synthetic Training Data, 

[C20] H Lehner, MJ. Schuster, T Bodenmüller and R Triebel, 
Exploration of Large Outdoor Environments Using Multi-Criteria Decision Making, 

[C21] W Boerdijk, M Sundermeyer, M Durner and R Triebel, 
“What’s This? Learning to Segment Unknown Objects from Manipulation Sequences, 

[C22] M Sundermeyer, A Mousavian, R Triebel and D Fox, 
Contact-GraspNet: Efficient 6-DoF Grasp Generation in Cluttered Scenes, 

[C23] I Ballester, A Fontan, J Civera, KH. Strobl and R Triebel, 
DOT: Dynamic Object Tracking for Visual SLAM, 

[C24] N Demmel, C Sommer, D Cremers and V Usenko, 
Square Root Bundle Adjustment for Large-Scale Reconstruction, 

[C25] C Tomani and F Buettner, 
Towards Trustworthy Predictions from Deep Neural Networks with Fast Adversarial Calibration, 
InThirty-FifthAAAIConferenceonArtificialIntelligence(AAAI-2021), 2021.
[C26] C Tomani, S Gruber, ME Erdem, D Cremers and F Buettner,  
Post-hoc Uncertainty Calibration for Domain Drift Scenarios,  

[C27] M Lyssenko, C Gladisch, C Heinzemann, M Woehrle and R Triebel,  
From Evaluation to Verification: Towards Task-Oriented Relevance Metrics for Pedestrian Detection in Safety-Critical Domains,  

[C28] N Demmel, D Schubert, C Sommer, D Cremers and V Usenko,  
Square Root Marginalization for Sliding-Window Bundle Adjustment,  
IEEE International Conference on Computer Vision (ICCV), 2021.

[C29] MW Wudenka, MG Müller, N Demmel, A Wedler, R Triebel, D Cremers and W Stuerzl,  
Towards Robust Monocular Visual Odometry for Flying Robots on Planetary Missions,  

[C30] S Klenk, J Chui, N Demmel and D Cremers,  
TUM-VIE: The TUM Stereo Visual-Inertial Event Dataset,  

[C31] L Koestler, N Yang, N Zeller and D Cremers,  
TANDEM: Tracking and Dense Mapping in Real-time using Deep Multi-view Stereo,  
Conference on Robot Learning (CoRL), 2021, 3DV’21 Best Demo Award.

[C32] S Weber, N Demmel and D Cremers,  
Multidirectional Conjugate Gradients for Scalable Bundle Adjustment,  
German Conference on Pattern Recognition (GCPR), 2021, Oral Presentation.

[C33] J Lee, J Feng, M Humt, MG Müller and R Triebel,  
Trust Your Robots! Predictive Uncertainty Estimation of Neural Networks with Sparse Gaussian Processes,  
5th Conference on Robot Learning (CoRL), November 2021.

[C34] D Schnaus, J Lee and R Triebel,  
Kronecker-Factored Optimal Curvature,  

[C35] HC Liao, R Giubilato, W Stürzl and R Triebel,  
Learning-Based Matching of 3D Submaps from Dense Stereo for Planetary-Like Environments,  
International Conference on Advanced Robotics (ICAR), 2021.

[C36] R Giubilato, M Vayugundla, W Stürzl, M Schuster, A Wedler and R Triebel,  
Multi-Modal Loop Closing in Unstructured Planetary Environments with Visually Enriched Submaps,  
[C37] M Durner, W Boerdijk, M Sundermeyer, W Friedl, ZC Marton and R Triebel, 
*Unknown Object Segmentation from Stereo Images,* 

[C38] M Lyssenko, C Gladisch, C Heinzemann, M Woehrle and R Triebel, 
*Instance Segmentation in CARLA: Methodology and Analysis for Pedestrian-oriented Synthetic Data Generation in Crowded Scenes,* 
*2021 IEEE/CVF International Conference on Computer Vision Workshops (ICCVW),* 
IEEE, 988-996, 2021.

[C39] MG Müller, M Durner, A Gawel, W Stürzl, R Triebel and R Siegwart, 
*A Photorealistic Terrain Simulation Pipeline for Unstructured Outdoor Environments,* 
*2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS),* 
2021.

and D. Cremers, 
*3D Deep Learning for Biological Function Prediction from Physical Fields,* 

[C41] L. Sang, B. Haeffner and D. Cremers, 
*Inferring Super-Resolution Depth from a Moving Light-Source Enhanced RGB-D Sensor: A Variational Approach,* 
*IEEE Winter Conference on Applications of Computer Vision (WACV),* Colorado, USA, 
March 2020, *Spotlight Presentation.*

[C42] T Frerix, M Niesner and D Cremers, 
*Homogeneous Linear Inequality Constraints for Neural Network Activations,* 

[C43] R. Wang, N. Yang, J. Stueckler and D. Cremers, 
*DirectShape: Photometric Alignment of Shape Priors for Visual Vehicle Pose 
and Shape Estimation,* 

[C44] M. Eisenberger, Z. Lähner and D. Cremers, 
*Smooth Shells: Multi-Scale Shape Registration with Functional Maps,* 
*IEEE International Conference on Computer Vision and Pattern Recognition (CVPR),* 
2020, *Oral Presentation.*

[C45] M. Eisenberger and D. Cremers, 
*Hamiltonian Dynamics for Real-World Shape Interpolation,* 

[C46] M. Eisenberger, A. Toker, L. Leal-Taixe and D. Cremers, 
*Deep Shells: Unsupervised Shape Correspondence with Optimal Transport,* 

[C47] S. Weiss, R. Maier, D. Cremers, R. Westermann and N. Thuerey, 
*Correspondence-Free Material Reconstruction using Sparse Surface Constraints,* 
*IEEE International Conference on Computer Vision and Pattern Recognition (CVPR),* 
2020.
All: 1

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[C48] C. Sommer, V. Usenko, D. Schubert, N. Demmel and D. Cremers,
Efficient Derivative Computation for Cumulative B-Splines on Lie Groups,
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020, Oral Presentation.

[C49] N. Yang, L. von Stumberg, R. Wang and D. Cremers,
D3VO: Deep Depth, Deep Pose and Deep Uncertainty for Monocular Visual Odometry,
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020, Oral Presentation.

[C50] A. Fontan-Villacampa, J. Civera and R. Triebel,
Information-Driven Direct RGB-D Odometry,
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020, Oral Presentation.

Multi-path Learning for Object Pose Estimation Across Domains,

[C52] J. Wenger, H. Kjellström and R. Triebel,
Non-Parametric Calibration for Classification,
*International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2020.

Visual-Inertial Telepresence for Aerial Manipulation,

[C54] 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.

[C55] J Lee, M Humt, J Feng and R Triebel,
Estimating Model Uncertainty of Neural Networks in Sparse Information Form,

[C56] 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.

[C57] M Demninger and R Triebel,
3D Scene Reconstruction from a Single Viewport,

[C58] 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.
[C59] M Sewtz, T Bodenmüller and R Triebel, 
Robust MUSIC-Based Sound Source Localization in Reverberant and Echoic Environments, 

[C60] 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, 

[C61] C. Sommer, Y. Sun, E. Bylow and D. Cremers, 
PrimiTect: Fast Continuous Hough Voting for Primitive Detection, 

[C62] L. Koestler, N. Yang, R. Wang and D. Cremers, 
Learning Monocular 3D Vehicle Detection without 3D Bounding Box Labels, 

[C63] 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, 

[C64] B Holzschuh, Z Lähner and D Cremer, 
Simulated Annealing for 3D Shape Correspondence, 

[C65] M Aygün, Z Lähner and D Cremers, 
Unsupervised Dense Shape Correspondence using Heat Kernels, 

[C66] W Boerdijk, M Sundermeyer, M Durner and R Triebel, 
Self-Supervised Object-in-Gripper Segmentation from Robotic Motions, 
Conference on Robot Learning (CoRL), 2020.

[C67] 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.

[C68] 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.

[C69] L Meyer, K Strobl and R Triebel, 
Robust Vision-Based Pose Correction for a Robotic Manipulator using Active Markers, 

[C70] N Demmel, M Gao, E Laude, T Wu and D Cremers, 
Distributed Photometric Bundle Adjustment, 
[C71] 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.), *12th Eurographics Workshop on 3D Object Retrieval, 3DOR@Eurographics 2019*, Genoa, Italy, May 5-6, 2019, Eurographics Association, 111-119, 2019.

[C73] 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.

[C74] 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.

[C75] T. Yenamandra, F. Bernard, J. Wang, F. Mueller and C. Theobalt,
Convex Optimisation for Inverse Kinematics,

[C76] A. Vasilev, V. Golkov, M. Meissner, I. Lipp, E. Sgarlata, V. Tomassini, D. K. Jones and D. Cremers,
q-Space Novelty Detection with Variational Autoencoders,
*MICCAI 2019 International Workshop on Computational Diffusion MRI*, 2019, Oral Presentation.

[C77] P. Swazinna, V. Golkov, I. Lipp, E. Sgarlata, V. Tomassini, D. K. Jones and D. Cremers,
Negative-Unlabeled Learning for Diffusion MRI,

[C78] D. Schubert, N. Demmel, L. von Stumberg, V. Usenko and D. Cremers,
Rolling-Shutter Modelling for Visual-Inertial Odometry,

[C79] M. Eisenberger, Z. Lähner and D. Cremers,
Divergence-Free Shape Correspondence by Deformation,

[C80] E. Bylow, R. Maier, F. Kahl and C. Olsson,
Combining Depth Fusion and Photometric Stereo for Fine-Detailed 3D Models,
*Scandinavian Conference on Image Analysis (SCIA)*, Norrköping, Sweden, June 2019, Oral Presentation, received the SCIA 2019 Honourable Mention award.

[C81] E. Laude, T. Wu and D. Cremers,
Optimization of Inf-Convolution Regularized Nonconvex Composite Problems,
*International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2019.
[C82] 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.

[C83] T. Möllenhoff and D. Cremers,
Flat Metric Minimization with Applications in Generative Modeling,

[C84] T. Frerix and J. Bruna,
Approximating Orthogonal Matrices with Effective Givens Factorization,

[C85] Q. Khan, P. Wenzel, D. Cremers and L. Leal-Taixe,
Towards Generalizing Sensorimotor Control Across Weather Conditions,

[C86] E.Y. Puang, P. Lehner, Z.C. Marton, M. Durner, R. Triebel and A. Albu-Schäffer,
Visual Repetition Sampling for Robot Manipulation Planning,

[C87] M. Moeller, T. Möllenhoff and D. Cremers,
Controlling Neural Networks via Energy Dissipation,
International Conference on Computer Vision (ICCV), Seoul, South Korea, 2019.

[C88] 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.

[C89] S. Weiss, R. Maier, R. Westermann, D. Cremers and N. Thurey,
Sparse Surface Constraints for Combining Physics-based Elasticity Simulation and Correspondence-Free Object Reconstruction,

[C90] P. Brechet, T. Wu, T. Möllenhoff and D. Cremers,
Informative GANs via Structured Regularization of Optimal Transport,

[C91] 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.

[C92] J. Feng, M. Durner, Z.-C. Marton, F. Balint-Benczedi and R. Triebel,
Introspective Robot Perception using Smoothed Predictions from Bayesian Neural Networks,
All: 1

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[C93] R. Henschel, L. Leal-Taixe, D. Cremers and B. Rosenhahn,
Fusion of Head and Full-Body Detectors for Multi-Object Tracking,

[C94] C. Sommer and D. Cremers,
Joint Representation of Primitive and Non-primitive Objects for 3D Vision,

[C95] 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.

[C96] 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,

[C98] C Domokos, FR. Schmidt and D Cremers,

[C99] 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.

[C100] T. Möllenhoff, Z. Ye, T. Wu and D. Cremers,
Combinatorial Preconditioners for Proximal Algorithms on Graphs,
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[C101] R Scona, M Jaimez, YR. Petillot, M Fallon and D Cremers,
StaticFusion: Background Reconstruction for Dense RGB-D SLAM in Dynamic Environments,

[C102] V. Golkov, A. Vasilev, F. Pasa, I. Lipp, W. Boubaker, E. Sgarlata, F. Pfeiffer, V. Tomassini, D. K. Jones and D. Cremers,
q-Space Novelty Detection in Short Diffusion MRI Scans of Multiple Sclerosis,
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q-Space Deep Learning for Alzheimer’s Disease Diagnosis: Global Prediction and Weakly-Supervised Localization,

[C104] B. T. Do, V. Golkov, G. E. Gürel and D. Cremers,
Precursor microRNA Identification Using Deep Convolutional Neural Networks,

[C105] P. Haeusser, J. Plapp, V. Golkov, E. Aljalbout and D. Cremers,
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Proc. of the German Conference on Pattern Recognition (GCPR), October 2018.

[C106] T. Frerix, T. Möllenhoff, M. Moeller and D. Cremers,
Proximal Backpropagation,

Semantic Labeling of Indoor Environments from 3D RGB Maps,

[C108] 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.

The TUM VI Benchmark for Evaluating Visual-Inertial Odometry,

[C110] X. Gao, R. Wang, N. Demmel and D. Cremers,
LDSO: Direct Sparse Odometry with Loop Closure,

[C111] Z. Lähner, D. Cremers and T. Tung,
DeepWrinkles: Accurate and Realistic Clothing Modeling,
European Conference on Computer Vision (ECCV), September 2018, Oral Presentation.

[C112] 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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[C113] 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.

[C114] V. Usenko, N. Demmel and D. Cremers,
The Double Sphere Camera Model,
[C115] 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.

[C116] M. Denninger and R. Triebel, 
Persistent Anytime Learning of Objects from Unseen Classes, 

[C117] I. Grixa, P. Schulz, W. Stürzl and R. Triebel, 
Appearance-Based Along-Route Localization for Planetary Missions, 

[C118] I. Chiotellis, F. Zimmermann, D. Cremers and R. Triebel, 
Incremental Semi-Supervised Learning from Streams for Object Classification, 

[C119] V. Estellers, F. Schmidt and D. Cremers, 
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*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, 

[C121] C. Nissler, M. Durner, Z.-C. Marton and R. Triebel, 
Simultaneous Calibration and Mapping, 

[C122] 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.

[C123] M. Benning, M. Möller, R. Z. Nossek, M. Burger, D. Cremers and G. Gilboa, 
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[C124] D. Bender, W. Koch and D. Cremers, 
Map-based drone homing using shortcuts, 
[C125] G. Kuschk, A. Bozic and D. Cremers, 
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[C126] 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.

[C127] 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, 

[C128] L. Ma, J. Stueckler, C. Kerl and D. Cremers, 
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[C129] 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, 

[C130] M. Dzitsiuk, J. Sturm, R. Maier, L. Ma and D. Cremers, 
De-noising, Stabilizing and Completing 3D Reconstructions On-the-go using Plane Priors, 

[C131] L. von Stumberg, V. Usenko, J. Engel, J. Stueckler and D. Cremers, 
From Monocular SLAM to Autonomous Drone Exploration, 

[C132] F. Walch, C. Hazirbas, L. Leal-Taixe, T. Sattler, S. Hilsenbeck and D. Cremers, 
Image-based localization using LSTMs for structured feature correlation, 

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[C134] Y. Queau, M. Pizenberg, J.-D. Durou and D. Cremers, 
Microgeometry capture and RGB albedo estimation by photometric stereo without demosaicing, 
[C135] P. Haeusser, A. Mordvintsev and D. Cremers,
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neural networks,

[C136] M. Slavcheva, M. Baust, D. Cremers and S. Ilic,
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[C137] V. Usenko, L. von Stumberg, A. Panceric and D. Cremers,
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3D Circular Buffer,
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Sep 2017, Best Paper Award - Finalist ()

[C138] Y. Queau, T. Wu, F. Lauze, J.-D. Durou and D. Cremers,
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[C139] T. Meinhardt, M. Moeller, C. Hazirbas and D. Cremers,
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[C140] S. Caelles, K.-K. Maninis, J. Pont-Tuset, L. Leal-Taixe, D. Cremers and L. V Gool,
One-Shot Video Object Segmentation,
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Honolulu, USA,
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[C141] Y. Queau, J. Melou, J.-D. Durou and D. Cremers,
Dense Multi-view 3D-reconstruction Without Dense Correspondences,

[C142] K. Kurach, S. Gelly, M. Jastrzebski, P. Haeusser, O. Teytaud, D. Vincent and O. Bousquet,

[C143] P. Haeusser, T. Frerix, A. Mordvintsev and D. Cremers,
Associative Domain Adaptation,

[C144] Y. Queau, M. Pizenberg, D. Cremers and J.-D. Durou,
Stereophotometrie microscopique sans demosaïquage,
GRETSI, Juan-les-Pins, USA, 2017.

Bronstein, M. M. Bronstein, R. Kimmel and D. Cremers,
Efficient Deformable Shape Correspondence via Kernel Matching,
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sentation.
[C146] R. Maier, R. Schaller and D. Cremers, 
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British Machine Vision Conference (BMVC), London, United Kingdom, September 2017.

[C147] J. Geiping, H. Dirks and D. Cremers, 
Multiframe Motion Coupling for Video Super Resolution, 

[C148] V. Golyanik, K. Kim, R. Maier, M. Niessner, D. Stricker and J. Kautz, 
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[C149] 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, 
International Conference on Computer Vision (ICCV), Venice, Italy, October 2017.

[C150] 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.

[C151] R. Wang, M. Schwörer and D. Cremers, 
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[PhD2] R. Maier,
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[M4] M. Shelley,
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