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DirectShape: Photometric Alignment of Shape Priors for Visual Vehicle Pose and Shape Estimation,

[C4] 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.

[C5] M. Eisenberger and D. Cremers,
Hamiltonian Dynamics for Real-World Shape Interpolation,
*European Conference on Computer Vision (ECCV)*, 2020, Spotlight Presentation.

[C6] M. Eisenberger, A. Toker, L. Leal-Taixe and D. Cremers,
Deep Shells: Unsupervised Shape Correspondence with Optimal Transport,

[C7] 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.

[C8] 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.

[C9] 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.

[C10] 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,

[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.), *12th Eurographics Workshop on 3D Object Retrieval, 3DOR@Eurographics 2019, Genoa, Italy, May 5-6, 2019*, Eurographics Association, 111-119, 2019.

[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, 

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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. Haehner, 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, 
[C58] C Domokos, FR. Schmidt and D Cremers,
MRF Optimization with Separable Convex Prior on Partially Ordered Labels,
Vittorio Ferrari, Martial Hebert, Cristian Sminchisescu and Yair Weiss(Eds.),

[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,
[C68] L. von Stumberg, V. Usenko and D. Cremers, 
Direct Sparse Visual-Inertial Odometry using Dynamic Marginalization, 

[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, 

[C72] N. Yang, R. Wang, J. Stueckler and D. Cremers, 
Deep Virtual Stereo Odometry: Leveraging Deep Depth Prediction for Mono-
cular Direct Sparse Odometry, 

[C73] D. Schubert, N. Demmel, V. Usenko, J. Stueckler and D. Cremers, 
Direct Sparse Odometry With Rolling Shutter, 

[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.
M. Brucker, M. Durner, Z.-C. Marton, F. Balint-Benczedi, M. Sundermeyer and R. Triebel,
6DoF Pose Estimation for Industrial Manipulation based on Synthetic Data,

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

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.

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

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

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

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.

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,

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

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,
[C90] M. Dzitsiuk, J. Sturm, R. Maier, L. Ma and D. Cremers,
De-noising, Stabilizing and Completing 3D Reconstructions On-the-go using Plane Priors,

[C91] L. von Stumberg, V. Usenko, J. Engel, J. Stueckler and D. Cremers,
From Monocular SLAM to Autonomous Drone Exploration,

[C92] F. Walch, C. Hazirbas, L. Leal-Taixe, T. Sattler, S. Hilsenbeck and D. Cremers,
Image-based localization using LSTMs for structured feature correlation,

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

[C94] Y. Queau, M. Pizenberg, J.-D. Durou and D. Cremers,
Microgeometry capture and RGB albedo estimation by photometric stereo without demosaicing,

[C95] P. Haeusser, A. Mordvintsev and D. Cremers,
Learning by Association - A versatile semi-supervised training method for neural networks,

[C96] M. Slavcheva, M. Baust, D. Cremers and S. Ilic,
KillingFusion: Non-rigid 3D Reconstruction without Correspondences,

[C97] 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 ()

[C98] Y. Queau, T. Wu, F. Lauze, J.-D. Durou and D. Cremers,
A Non-Convex Variational Approach to Photometric Stereo under Inaccurate Lighting,
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, Honolulu, USA, 2017.

[C99] T. Meinhardt, M. Moeller, C. Hazirbas and D. Cremers,
Learning Proximal Operators: Using Denoising Networks for Regularizing Inverse Imaging Problems,

[C100] 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, 2017.
[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 demosaicage*, 
*GRETSI*, Juan-les-Pins, USA, 2017.

*Efficient Deformable Shape Correspondence via Kernel Matching*, 

[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*, 
[C112] T. Möllenhoff and D. Cremers,  
Sublabel-Accurate Discretization of Nonconvex Free-Discontinuity Problems,  

[C113] M Ullrich, H Ali, M Durner, ZC Marton and R Triebel,  
Selecting CNN Features for Online Learning of 3D Objects,  

[C114] C Nissler, ZC Marton, H Kisner, U Thomas and R Triebel,  
A Method for Hand-Eye and Camera-to-Camera Calibration for Limited Fields of View,  

[C115] TS Wang, ZC Marton, M Brucker and R Triebel,  
How Robots Learn to Classify New Objects Trained from Small Data Sets,  
*Conference on Robot Learning (CoRL)*, 2017.

[C116] M Durner, S Kriegel, S Riedel, M Brucker, ZC Marton, F Balint-Benczedi and R Triebel,  
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[C117] Y. Queau, J. Melou, F. Castan, D. Cremers and J.-D. Durou,  
A Variational Approach to Shape-from-shading Under Natural Illumination,  

[C118] F. Bernard, F. R. Schmidt, J. Thunberg and D. Cremers,  
A Combinatorial Solution to Non-Rigid 3D Shape-to-Image Matching,  

[C119] Y. Kuznetsov, J. Stueckler and B. Leibe,  
Semi-Supervised Deep Learning for Monocular Depth Map Prediction,  

[C120] A. Kasyanov, F. Engelmann, J. Stueckler and B. Leibe,  
Keyframe-Based Visual-Inertial Online SLAM with Relocalization,  

[C121] F. Engelmann, J. Stueckler and B. Leibe,  
SAMP: Shape and Motion Priors for 4D Vehicle Reconstruction,  

[C122] L. Cosmo, A. Albarelli, F. Bergamasco, A. Torsello, E. Rodola and D. Cremers,  
A game-theoretical approach for joint matching of multiple feature throughout unordered images,  

[C123] M. Jaimez, J. G. Monroy and J. Gonzalez-Jimenez,  
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[C124] N. Mayer, E. Ilg, P. Häsuer, P. Fischer, D. Cremers, A. Dosovitskiy and T. Brox,
A Large Dataset to Train Convolutional Networks for Disparity, Optical Flow,
and Scene Flow Estimation,
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[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,
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[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. Dieck-
mann, R. Klein and Y. Sahillioglu,
SHREC16: 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,
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[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,
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[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,
[C136] E. Laude, T. Möllenhoff, M. Moeller, J. Lellmann and D. Cremers,
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[C137] D. Bender, D. Cremers and W. Koch,
A position free boresight calibration for INS-camera systems,

[C138] I. Chiotellis, R. Triebel, T. Windheuser and D. Cremers,
Non-Rigid 3D Shape Retrieval via Large Margin Nearest Neighbor Embedding,
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[C139] T. Windheuser and D. Cremers,
A Convex Solution to Spatially-Regularized Correspondence Problems,
*European Conference on Computer Vision (ECCV)*, October 2016.

[C140] S. Sharifzadeh, I. Chiotellis, R. Triebel and D. Cremers,
Learning to Drive using Inverse Reinforcement Learning and Deep Q-Networks,
NIPS Workshops, December 2016.

[C141] D. Bender, F. Rouatbi, M. Schikora, D. Cremers and W. Koch,
Scaling the world of monocular SLAM with INS-measurements for UAS navigation,

[C142] D. Klostermann, A. Osep, J. Stueckler and B. Leibe,
Unsupervised Learning of Shape-Motion Patterns for Objects in Urban Street Scenes,

[C143] D. Kochanov, A. Osep, J. Stueckler and B. Leibe,
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[C145] M. Moeller, J. Diebold, G. Gilboa and D. Cremers,
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*IEEE International Conference on Computer Vision (ICCV)*, 2015.

[C146] 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.
[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,
20 - Robotics Symposium (RS), Karuizawa, Japan, Mar 2015.

[C149] T. Möllenhoff, E. Strekalovskiy, M. Möller and D. Cremers,
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[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,
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q-Space Deep Learning for Twelve-Fold Shorter and Model-Free Diffusion MRI Scans,

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FlowNet: Learning Optical Flow with Convolutional Networks,
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Real-Time Object Detection, Localization and Verification for Fast Robotic Depalletizing,

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