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[C34] M. Brucker, M. Durner, Z.-C. Marton, F. Balint-Benczedi, M. Sundermeyer and R. Trie-  
bel,  
6DoF Pose Estimation for Industrial Manipulation based on Synthetic Data,  
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[C35] C. Nissler, M. Durner, Z.-C. Marton and R. Triebel, 
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[C36] 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.

[C37] Haefner, B., Queau, Y., Möllenhoff, T., Cremers and D., 
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.

[C38] I. Grixa, P. Schulz, W. Stürzl and R. Triebel, 
Appearance-Based Along-Route Localization for Planetary Missions, 

Implicit 3D Orientation Learning for 6D Object Detection from RGB Images, September 2018, Best Paper Award.

[C40] M. Denninger and R. Triebel, 
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[C41] M. Jaimez, C. Kerl, J. Gonzalez-Jimenez and D. Cremers, 
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[C42] M. Jaimez, T. J. Cashman, A. Fitzgibbon, J. Gonzalez-Jimenez and D. Cremers, 

[C43] L. Ma, J. Stueckler, C. Kerl and D. Cremers, 
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Vancouver, Canada, Sep 2017.

[C44] Vestner, M., Litman, R., Rodola, E., Bronstein, A., Cremers and D., 

[C45] M. Dzitsiuk, J. Sturm, R. Maier, L. Ma and D. Cremers, 
De-noising, Stabilizing and Completing 3D Reconstructions On-the-go using Plane Priors, 

[C46] L. von Stumberg, V. Usenko, J. Engel, J. Stueckler and D. Cremers, 
From Monocular SLAM to Autonomous Drone Exploration, 
[C47] Florian Walch, Caner Hazirbas, Laura Leal-Taixe, Torsten Sattler, Sebastian Hilsenbeck and Daniel Cremers, 
Image-based localization using LSTMs for structured feature correlation, October 2017.


[C49] Queau, Y., Pizenberg, M., Durou, J.-D., Cremers and D., 
Microgeometry capture and RGB albedo estimation by photometric stereo without demosaicing, 
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[C50] P. Haeusser, A. Mordvintsev and D. Cremers, 

[C51] V. Usenko, L. von Stumberg, A. Pangeric and D. Cremers, 
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[C52] Tim Meinhardt, Michael Moeller, Caner Hazirbas and Daniel Cremers, 

One-Shot Video Object Segmentation, Honolulu, USA, 2017.

[C54] Queau, Y., Melou, J., Durou, J.-D., Cremers and D., 

[C55] K. Kurach, S. Gelly, M. Jastrzebski, P. Haeusser, O. Teytaud, D. Vincent and O. Bousquet, 

[C56] P. Haeusser, T. Frerix, A. Mordvintsev and D. Cremers, 
Associative Domain Adaptation, 2017.

Efficient Deformable Shape Correspondence via Kernel Matching, International Conference on 3D Vision (3DV), Qingdao, China, October 2017, Oral Presentation.
[C58] V. Golyanik, K. Kim, R. Maier, M. Niessner, D. Stricker and J. Kautz, 
Multiframe Scene Flow with Piecewise Rigid Motion, 
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[C59] T. Möllenhoff and D. Cremers, 
Sublabel-Accurate Discretization of Nonconvex Free-Discontinuity Problems, 

[C60] Christian Nissler, Zoltan-Csaba Marton, Hannes Kisner, Ulrike Thomas and Rudolph Triebel, 

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[C62] Maximilian Durner, Simon Kriegel, Sebastian Riedel, Manuel Brucker, Zoltan-Csaba Marton, Ferenc Balint-Beuczdi and Rudolph Triebel, 
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[C63] Queau, Y., Melou, J., Castan, F., Cremers, D., Duroy and J.-D., 
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A Combinatorial Solution to Non-Rigid 3D Shape-to-Image Matching, 

[C65] A. Kasyanov, F. Engelmann, J. Stueckler and B. Leibe, 
Keyframe-Based Visual-Inertial Online SLAM with Relocalization, 

[C66] F. Engelmann, J. Stueckler and B. Leibe, 
SAMP: Shape and Motion Priors for 4D Vehicle Reconstruction, 

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Model-Free Novelty-Based Diffusion MRI, 
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[C71] Z. Lähner, E. Rodola, F. R. Schmidt, M. M. Bronstein and D. Cremers,
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May 2016.

[C77] J. Engel, V. Usenko and D. Cremers,
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Direct Sparse Odometry,

[C79] E. Laude, T. Möllenhoff, M. Moeller, J. Lellmann and D. Cremers,
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October 2016.

[C80] T. Windheuser and D. Cremers,
A Convex Solution to Spatially-Regularized Correspondence Problems,
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[C81] S. Sharifzadeh, I. Chiotellis, R. Triebel and D. Cremers,
Learning to Drive using Inverse Reinforcement Learning and Deep Q-Networks,
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[C82] D. Klostermann, A. Osep, J. Stueckler and B. Leibe,
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[C85] M. Moeller, J. Diebold, G. Gilboa and D. Cremers,
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Optimizing the Relevance-Redundancy Tradeoff for Efficient Semantic Segmentation,
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[C88] A. Kanezaki, E. Rodola and T. Harada,
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A Primal-Dual Framework for Real-Time Dense RGB-D Scene Flow,
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A Fast Projection Method for Connectivity Constraints in Image Segmentation,
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[C92] R. Mecca, E. Rodola and D. Cremers,
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[C93] F. Bergamasco, A. Albarelli, L. Cosmo, A. Torsello, E. Rodola and D. Cremers,
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Robustness of Phase Sensitive Reconstruction in Diffusion Spectrum Imaging, 
2015.

[C97] A. Menini, V. Golkov and F. Wiesinger, 
Free-Breathing, Self-Navigated RUFIS Lung Imaging with Motion Compensated Image Reconstruction, 
2015.

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P. A. Gomez, A. Haase, T. Brox and D. Cremers, 
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Munich, Germany, October 2015.

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[C101] D. Holz, A. Topalidou-Kyniazopoulou, J. Stueckler and S. Behnke, 
Real-Time Object Detection, Localization and Verification for Fast Robotic Depalletizing, 
2015.

[C102] J. Engel, J. Stueckler and D. Cremers, 
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2015.

[C103] D. Caruso, J. Engel and D. Cremers, 
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Semi-supervised Online Learning for Efficient Classification of Objects in 3D Data Streams, 
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[C105] R. Maier, J. Stueckler and D. Cremers, 
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[C106] M. Jaimez, M. Souiai, J. Stueckler, J. Gonzalez-Jimenez and D. Cremers,
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[C107] E. Rodola, M. Moeller and D. Cremers,
Point-wise Map Recovery and Refinement from Functional Correspondence,
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[C108] C. Kerl, J. Stueckler and D. Cremers,
Dense Continuous-Time Tracking and Mapping with Rolling Shutter RGB-D Cameras,
Santiago, Chile, 2015.

[C109] M. Souiai, M. R. Oswald, Y. Kee, J. Kim, M. Pollefeys and D. Cremers,
Entropy Minimization for Convex Relaxation Approaches,
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[C110] F. Stark, C. Hazirbas, R. Triebel and D. Cremers,
CAPTCHA Recognition with Active Deep Learning,
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[C111] N. Nagaraja, F. R. Schmidt and T. Brox,
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Model-Based Tracking at 300Hz using Raw Time-of-Flight Observations,
Santiago, Chile, 2015.

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[C118] D. Weikersdorfer, D. B. Adrian, D. Cremers and J. Conrad, 
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Sequential Convex Relaxation for Mutual-Information-Based Unsupervised Figure-Ground Segmentation, 
2014.

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Collision Avoidance for Quadrotors with a Monocular Camera, 

[C123] J. Engel, T. Schöps and D. Cremers, 
LSD-SLAM: Large-Scale Direct Monocular SLAM, 
September 2014, Oral Presentation.

[C124] T. Schöps, J. Engel and D. Cremers, 
Semi-Dense Visual Odometry for AR on a Smartphone, 
September 2014, Best Short Paper Award.

[C125] T. Windheuser, M. Vestner, E. Rodola, R. Triebel and D. Cremers, 
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[C127] R. Maier, J. Sturm and D. Cremers, 
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[C128] T. Gurdan, M. R. Oswald, D. Gurdan and D. Cremers, 
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[C129] M. R. Oswald and D. Cremers, 
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[C132] E. Strekalovskiy and D. Cremers,
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[C133] A. Kanezaki, E. Rodola and T. Harada,
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couragement Award.

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[C135] M. Andreux, E. Rodola, M. Aubry and D. Cremers,
Anisotropic Laplace-Beltrami Operators for Shape Analysis,
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DIA), 2014.

[C136] O. Dunkley, J. Engel, J. Sturm and D. Cremers,
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[C137] R. Triebel, J. Stühmer, M. Souiai and D. Cremers,
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Processes,
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ning Data,
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[C139] A. Kanezaki, E. Rodola, D. Cremers and T. Harada,
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eras,
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[C142] J. Stueckler and S. Behnke,
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[C164] H. Grimmett, R. Paul, R. Triebel and I. Posner,  
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*Real-Time Camera Tracking and 3D Reconstruction Using Signed Distance Functions*,  

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[C171] M. Souiai, E. Strekalovskiy, C. Nieuwenhuis and D. Cremers,  

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[C176] M. Klodt, J. Sturm and D. Cremers,
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Images,
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Proc. of the Assistance and Service Robotics Workshop (ASROB) at the IEEE Int. Conf. on Intelligent Robots and Systems (IROS), Nov. 2013.

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[C192] M. Schadler, J. Stueckler and S. Behnke,
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[C195] T. Fiolk, J. Stueckler, D. A. Klein, D. Schulz and S. Behnke,
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Combining contour and shape primitives for object detection and pose estimation of prefabricated parts,

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