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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.

E. Laude, T. Wu and D. Cremers,

T. Frerix and J. Bruna,

M. Eisenberger, Z. Lähner and D. Cremers,

Haefner, B., Ye, Z., Gao, M., Wu, T., Queau, Y., Cremers and D.,

Q. Khan, P. Wenzel, D. Cremers and L. Leal-Taixe,
All: 1  

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[C18] E.Y. Puang, P. Lehner, Z.C. Marton, M. Durner, R. Triebel and A. Albu-Schäffer, 
Visual Repetition Sampling for Robot Manipulation Planning,  
2019.

[C19] M. Moeller, T. Möllenhoff and D. Cremers, 
Controlling Neural Networks via Energy Dissipation, 
*International Conference on Computer Vision (ICCV)*, Seoul, South Korea, 10 2019.

[C20] 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, 

[C21] D. Schubert, N. Demmel, L. von Stumberg, V. Usenko and D. Cremers, 
Rolling-Shutter Modelling for Visual-Inertial Odometry, 
November 2019.

[C22] P. Brechet, T. Wu, T. Möllenhoff and D. Cremers, 
Informative GANs via Structured Regularization of Optimal Transport, 

[C23] F. Steidle, W. Stürzl and R. Triebel, 
Visual-inertial sensor fusion with a bio-inspired polarization compass for navigation of MAVs, 

Introspective Robot Perception using Smoothed Predictions from Bayesian Neural Networks, 

[C25] Caner Hazirbas, Sebastian Georg Soyer, Maximilian Christian Staab, Laura Leal-Taixe and Daniel Cremers, 
Deep Depth From Focus, 
*Asian Conference on Computer Vision (ACCV)*, December 2018.

[C26] 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.

[C27] 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.

q-Space Novelty Detection in Short Diffusion MRI Scans of Multiple Sclerosis, 
2018.

q-Space Deep Learning for Alzheimer’s Disease Diagnosis: Global Prediction and Weakly-Supervised Localization, 
2018.
[C30] B. T. Do, V. Golkov, G. E. Gürel and D. Cremers,  
Precursor microRNA Identification Using Deep Convolutional Neural Networks,  
2018.

[C31] 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.

[C32] Nikolaus Mayer, Eddy Ilg, Philipp Fischer, Caner Hazirbas, Daniel Cremers, Alexey Dosovitskiy and Thomas Brox,  
What Makes Good Synthetic Training Data for Learning Disparity and Optical Flow Estimation?,  
September 2018.

[C33] T. Frerix, T. Möllenhoff, M. Moeller and D. Cremers,  
Proximal Backpropagation,  

[C34] E. Laude, J.-H. Lange, J. Schüpfer, C. Domokos, L. Leal-Taixe, F. R. Schmidt, B. Andres and D. Cremers,  
Discrete-Continuous ADMM for Transductive Inference in Higher-Order MRFs,  
2018.

[C35] L. von Stumberg, V. Usenko and D. Cremers,  
Direct Sparse Visual-Inertial Odometry using Dynamic Marginalization,  
May 2018.

The TUM VI Benchmark for Evaluating Visual-Inertial Odometry,  
October 2018.

[C37] X. Gao, R. Wang, N. Demmel and D. Cremers,  
LDSO: Direct Sparse Odometry with Loop Closure,  
iros, October 2018.

[C38] Z. Lähner, D. Cremers and T. Tung,  
DeepWrinkles: Accurate and Realistic Clothing Modeling,  
September 2018, Oral Presentation.

[C39] D. Schubert, N. Demmel, V. Usenko, J. Stueckler and D. Cremers,  
Direct Sparse Odometry With Rolling Shutter,  
September 2018, Oral Presentation.

[C40] V. Usenko, N. Demmel and D. Cremers,  
The Double Sphere Camera Model,  

[C41] I. Chiotellis, F. Zimmermann, D. Cremers and R. Triebel,  
Incremental Semi-Supervised Learning from Streams for Object Classification,  
All: 1

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

[C43] C. Nissler, M. Durner, Z.-C. Marton and R. Triebel,
*Simultaneous Calibration and Mapping*,

[C44] 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.

[C45] 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.

[C46] I. Grixa, P. Schulz, W. Stürzl and R. Triebel,
Appearance-Based Along-Route Localization for Planetary Missions,

[C47] M. Sundermeyer, Z. Marton, M. Durner, M. Brucker and R. Triebel,
*Implicit 3D Orientation Learning for 6D Object Detection from RGB Images*,
September 2018, Best Paper Award.

[C48] M. Denninger and R. Triebel,
Persistent Anytime Learning of Objects from Unseen Classes,

[C49] 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.

[C50] 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,
2017.

[C51] L. Ma, J. Stueckler, C. Kerl and D. Cremers,
Multi-View Deep Learning for Consistent Semantic Mapping with RGB-D Cameras,
Vancouver, Canada, Sep 2017.

[C52] Vestner, M., Litman, R., Rodola, E., Bronstein, A., Cremers and D.,
Product Manifold Filter: Non-Rigid Shape Correspondence via Kernel Density Estimation in the Product Space,
2017.
[C53] M. Dzitsiuk, J. Sturm, R. Maier, L. Ma and D. Cremers,
De-noising, Stabilizing and Completing 3D Reconstructions On-the-go using Plane Priors,

[C54] L. von Stumberg, V. Usenko, J. Engel, J. Stueckler and D. Cremers,
*From Monocular SLAM to Autonomous Drone Exploration*,

[C55] 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.

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

[C57] Queau, Y., Pizenberg, M., Durou, J.-D., Cremers and D.,
*Microgeometry capture and RGB albedo estimation by photometric stereo without demosaicing*,

[C58] P. Haeusser, A. Mordvintsev and D. Cremers,
*Learning by Association - A versatile semi-supervised training method for neural networks*,
2017.

[C59] V. Usenko, L. von Stumberg, A. Pangercic and D. Cremers,
*Real-Time Trajectory Replanning for MAVs using Uniform B-splines and a 3D Circular Buffer*,
Vancouver, Canada, Sep 2017.

[C60] Tim Meinhardt, Michael Moeller, Caner Hazirbas and Daniel Cremers,
*Learning Proximal Operators: Using Denoising Networks for Regularizing Inverse Imaging Problems*,
October 2017.

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

[C62] Queau, Y., Melou, J., Durou, J.-D., Cremers and D.,
*Dense Multi-view 3D-reconstruction Without Dense Correspondences*,

[C63] K. Kurach, S. Gelly, M. Jastrzebski, P. Haeusser, O. Teytaud, D. Vincent and O. Bousquet,
*Better Text Understanding Through Image-To-Text Transfer*,
All: 1

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[C64] P. Haeusser, T. Frerix, A. Mordvintsev and D. Cremers,

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

[C66] 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.

[C67] T. Möllenhoff and D. Cremers,
**Sublabel-Accurate Discretization of Nonconvex Free-Discontinuity Problems,**

[C68] Christian Nissler, Zoltan-Csaba Marton, Hannes Kisner, Ulrike Thomas and Rudolph Triebel,
**A Method for Hand-Eye and Camera-to-Camera Calibration for Limited Fields of View,**
2017.

[C69] Tick Son Wang, Zoltan-Csaba Marton, Manuel Brucker and Rudolph Triebel,
**How Robots Learn to Classify New Objects Trained from Small Data Sets,**
*Conference on Robot Learning (CoRL)*, 2017.

[C70] Maximilian Durner, Simon Kriegel, Sebastian Riedel, Manuel Brucker, Zoltan-Csaba Marton, Ferenc Balint-Benczedi and Rudolph Triebel,
**Experience-based Optimization of Robotic Perception,**

[C71] Queau, Y., Melou, J., Castan, F., Cremers, D., Durou and J.-D.,
**A Variational Approach to Shape-from-shading Under Natural Illumination,**

[C72] F. Bernard, F. R. Schmidt, J. Thunberg and D. Cremers,
**A Combinatorial Solution to Non-Rigid 3D Shape-to-Image Matching,**

[C73] A. Kasyanov, F. Engelmann, J. Stueckler and B. Leibe,
**Keyframe-Based Visual-Inertial Online SLAM with Relocalization,**

[C74] F. Engelmann, J. Stueckler and B. Leibe,
**SAMP: Shape and Motion Priors for 4D Vehicle Reconstruction,**

[C75] Peng, S., Haefner, B., Queau, Y., Cremers and D.,
**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.
N. Mayer, E. Ilg, P. Haeusser, P. Fischer, D. Cremers, A. Dosovitskiy and T. Brox,
A Large Dataset to Train Convolutional Networks for Disparity, Optical Flow, and Scene Flow Estimation,
*IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)*, 2016.

V. Golkov, T. Sprenger, J. I. Sperl, M. I. Menzel, M. Czisch, P. Sämann and D. Cremers,
Model-Free Novelty-Based Diffusion MRI,
Prague, Czech Republic, April 2016.

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,
Barcelona, Spain, December 2016.

Z. Lähner, E. Rodola, F. R. Schmidt, M. M. Bronstein and D. Cremers,
Efficient Globally Optimal 2D-to-3D Deformable Shape Matching,
May 2016.

A. Narr, R. Triebel and D. Cremers,
Stream-based Active Learning for Efficient and Adaptive Classification of 3D Objects,
May 2016.

Z. Lähner, E. Rodola, M. M. Bronstein, D. Cremers, O. Burghard, L. Cosmo, A. Dieckmann, R. Klein and Y. Sahillioglu,
SHREC16: Matching of Deformable Shapes with Topological Noise,
May 2016.

L. Cosmo, E. Rodola, M. M. Bronstein, A. Torsello, D. Cremers and Y. Sahillioglu,
SHREC16: Partial Matching of Deformable Shapes,
May 2016.

T. Möllenhoff, E. Laude, M. Moeller, J. Lellmann and D. Cremers,
Sublabel-Accurate Relaxation of Nonconvex Energies,
2016.

L. Ma, C. Kerl, J. Stueckler and D. Cremers,
CPA-SLAM: Consistent Plane-Model Alignment for Direct RGB-D SLAM,
May 2016.

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

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

E. Laude, T. Möllenhoff, M. Moeller, J. Lellmann and D. Cremers,
Sublabel-Accurate Convex Relaxation of Vectorial Multilabel Energies,
October 2016.

T. Windheuser and D. Cremers,
A Convex Solution to Spatially-Regularized Correspondence Problems,
October 2016.
[C89] S. Sharifzadeh, I. Chiotellis, R. Triebel and D. Cremers,
Learning to Drive using Inverse Reinforcement Learning and Deep Q-Networks,
NIPS Workshops, December 2016.

[C90] 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.

[C91] D. Kochanov, A. Osep, J. Stueckler and B. Leibe,
Scene Flow Propagation for Semantic Mapping and Object Discovery in Dynamic Street Scenes,

[C92] 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.

[C93] M. Moeller, J. Diebold, G. Gilboa and D. Cremers,

[C94] J. Diebold, N. Demmel, C. Hazirbas, M. Möller and D. Cremers,

[C95] C. Hazirbas, J. Diebold and D. Cremers,

[C96] 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,
Robotic Symposium (RS), Karuizawa, Japan, March 2015.

[C97] T. Möllenhoff, E. Strekalovskiy, M. Möller and D. Cremers,

[C98] 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.

[C99] J. Stühmer and D. Cremers,
A Fast Projection Method for Connectivity Constraints in Image Segmentation,
X.-C. Tai, E. Bae, T. F. Chan and M. Lysaker(Eds.), , 2015.

[C100] 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.
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[C101] 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,
2015.

[C102] 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,
2015.

[C104] 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,
2015.

[C105] A. Menini, V. Golkov and F. Wiesinger,
Free-Breathing, Self-Navigated RUFIS Lung Imaging with Motion Compensated Image Reconstruction,
2015.

P.A. Gomez, A. Haase, T. Brox and D. Cremers,
q-Space Deep Learning for Twelve-Fold Shorter and Model-Free Diffusion MRI Scans,
Munich, Germany, October 2015.

[C107] 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,
December 2015.

V. Evers, M. Fiore, H. Hung, O. A. Islas Ramirez, M. Joosse, H. Kambhaita, T. Kucner,
B. Leibe, A. J. Lilienthal, T. Linder, M. Lohse, M. Magnusson, B. Okal, L. Palmieri, U. Rafi,
M. van Rooij and L. Zhang,
SPENCER: A Socially Aware Service Robot for Passenger Guidance and Help in Busy Airports,

[C109] D. Holz, A. Topalidou-Kyniazopoulou, J. Stueckler and S. Behnke,
Real-Time Object Detection, Localization and Verification for Fast Robotic Depalletizing,
2015.

[C110] J. Engel, J. Stueckler and D. Cremers,
Large-Scale Direct SLAM with Stereo Cameras,
2015.

[C111] D. Caruso, J. Engel and D. Cremers,
Large-Scale Direct SLAM for Omnidirectional Cameras,
2015.

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[C112] Y. Tao, R. Triebel and D. Cremers,
Semi-supervised Online Learning for Efficient Classification of Objects in 3D Data Streams,
2015.

[C113] R. Maier, J. Stueckler and D. Cremers,
Super-Resolution Keyframe Fusion for 3D Modeling with High-Quality Textures,
International Conference on 3D Vision (3DV), 2015.

[C114] M. Jaimez, M. Souiai, J. Stueckler, J. Gonzalez-Jimenez and D. Cremers,
Motion Cooperation: Smooth Piece-Wise Rigid Scene Flow from RGB-D Images,

[C115] E. Rodola, M. Moeller and D. Cremers,
Point-wise Map Recovery and Refinement from Functional Correspondence,
Aachen, Germany, 2015, Received the Best Paper Award.

[C116] C. Kerl, J. Stueckler and D. Cremers,
Dense Continuous-Time Tracking and Mapping with Rolling Shutter RGB-D Cameras,
Santiago, Chile, 2015.

[C117] M. Souiai, M. R. Oswald, Y. Kee, J. Kim, M. Pollefeys and D. Cremers,
Entropy Minimization for Convex Relaxation Approaches,
Santiago, Chile, 2015.

[C118] F. Stark, C. Hazirbas, R. Triebel and D. Cremers,
CAPTCHA Recognition with Active Deep Learning,
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[C119] N. Nagaraja, F. R. Schmidt and T. Brox,
Video Segmentation with Just a Few Strokes,
Santiago, Chile, Dec 2015.

[C120] J. Stühmer, S. Nowozin, A. Fitzgibbon, R. Szeliski, T. Perry, S. Acharya, D. Cremers and J. Shotton,
Model-Based Tracking at 300Hz using Raw Time-of-Flight Observations,
Santiago, Chile, 2015.

Novel Acquisition Scheme for Diffusion Kurtosis Imaging Based on Compressed-Sensing Accelerated DSI Yielding Superior Image Quality,
2014.

Total Variation-Regularized Compressed Sensing Reconstruction for Multi-Shell Diffusion Kurtosis Imaging,
2014.


[C129] Y. Kee, M. Souiai, D. Cremers and J. Kim, Sequential Convex Relaxation for Mutual-Information-Based Unsupervised Figure-Ground Segmentation, 2014.


[C135] 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.
[C136] T. Gurdan, M. R. Oswald, D. Gurdan and D. Cremers, 
Spatial and Temporal Interpolation of Multi-View Image Sequences, 
Münster, Germany, Vol. 36, September 2014.

[C137] M. R. Oswald and D. Cremers, 
Surface Normal Integration for Convex Space-time Multi-view Reconstruction, 2014.

[C138] C. Nieuwenhuis, S. Hawe, M. Kleinsteuber and D. Cremers, 
Co-Sparse Textural Similarity for Interactive Segmentation, 2014.

[C139] M. R. Oswald, J. Stühmer and D. Cremers, 

[C140] E. Strekalovskiy and D. Cremers, 

[C141] A. Kanezaki, E. Rodola and T. Harada, 
RGB-D [RGB-D gazou kara no buttai kenshutsu ni okeru taiou tenshuugou ruijido no gakushuu], 

[C142] A. Kanezaki, E. Rodola, D. Cremers and T. Harada, 
[Taiou tenshuugou ruijido gakushuu wo mochiita goutai-higoutai buttai kenshutsu], 

[C143] 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.

[C144] O. Dunkley, J. Engel, J. Sturm and D. Cremers, 
Visual-Inertial Navigation for a Camera-Equipped 25g Nano-Quadrotor, 

[C145] 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.

[C146] S. Debnath, S. S. Baishya, R. Triebel, V. Dutt and D. Cremers, 
Environment-adaptive Learning: How Clustering Helps to Obtain Good Training Data, 

[C147] A. Kanezaki, E. Rodola, D. Cremers and T. Harada, 
Learning Similarities for Rigid and Non-Rigid Object Detection, 
International Conference on 3D Vision (3DV), 2014.
[C148] 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.

[C149] C. Kerl, M. Souiai, J. Sturm and D. Cremers,
Towards Illumination-invariant 3D Reconstruction using ToF RGB-D Cameras,
International Conference on 3D Vision (3DV), 2014.

[C150] J. Stueckler and S. Behnke,
Adaptive Tool-Use Strategies for Anthropomorphic Service Robots,
Proc. of the 14th IEEE-RAS International Conference on Humanoid Robots (Humanoids),
to appear, November 2014.

[C151] D. Droeschel, J. Stueckler and S. Behnke,
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Proc. of the 13th International Conference on Intelligent Autonomous Systems (IAS), to

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for RGB-D Odometry,
Proc. of the Joint 45th International Symposium on Robotics (ISR) and 8th German Conference
on Robotics (ROBOTIK), to appear, June 2014.

[C153] J. Stueckler and S. Behnke,
Efficient deformable registration of multi-resolution surfel maps for object manipulation skill transfer,
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[C154] D. Droeschel, J. Stueckler and S. Behnke,
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Proc. of the IEEE Int. Conf. on Robotics and Automation (ICRA), 5221-5226, May 2014.

[C155] M. Schwarz, J. Stueckler and S. Behnke,
Mobile Teleoperation Interfaces with Adjustable Autonomy for Personal Service Robots,
Proceedings of the 2014 ACM/IEEE International Conference on Human-robot Interaction,

[C156] F. R. Schmidt, T. Windheuser, U. Schlickewei and D. Cremers,
Dense Elastic 3D Shape Matching,

[C157] Bergbaner, Julia, Tari and Sibel,
Wimmelbild Analysis with Approximate Curvature Coding Distance Images,
[C158] Bergbauer, Julia, Tari and Sibel,
Top-down visual search in Wimmelbild,

[C159] F. Bergamasco, A. Albarelli, E. Rodola and A. Torsello,
Can a fully unconstrained imaging model be applied effectively to central cameras?,
2013.

[C160] M. Souiai, C. Nieuwenhuis, E. Strekalovskiy and D. Cremers,
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[C161] 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.

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Effects of Low-Rank Constraints, Line-Process Denoising, and q-Space Compressed Sensing on Diffusion MR Image Reconstruction and Kurtosis Tensor Estimation,
2013, Oral Presentation.

[C163] 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,
2013, Certificate of Merit Award.

[C164] V. Golkov, M.I. Menzel, T. Sprenger, A. Menini, D. Cremers and J.I. Sperl,
Reconstruction, Regularization, and Quality in Diffusion MRI Using the Example of Accelerated Diffusion Spectrum Imaging,
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[C165] 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,
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2013.
Noise Reduction in Accelerated Diffusion Spectrum Imaging through Integration of SENSE Reconstruction into Joint Reconstruction in Combination with q-Space Compressed Sensing,
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[C169] C. Kerl, J. Sturm and D. Cremers,
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[C184] M. Klodt, J. Sturm and D. Cremers,
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Unmanned Aerial Vehicle in Geomatics (UAV-g), Rostock, Germany, September 2013,
Best research paper award.

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[C194] G. Kuschk and D. Cremers,  
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[C199] D. Cremers, E. Rodola and T. Windheuser,  
Relaxations for Minimizing Metric Distortion and Elastic Energies for 3D Shape Matching,  

[C200] M. Schadler, J. Stueckler and S. Behnke,  
Multi-resolution surfel mapping and real-time pose tracking using a continuously rotating 2D laser scanner,  

[C201] J. Stueckler and S. Behnke,  
Efficient Dense 3D Rigid-Body Motion Segmentation in RGB-D Video,  
All: 1

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[C202] M. McElhone, J. Stueckler and S. Behnke,
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[C203] T. Fiolka, J. Stueckler, D. A. Klein, D. Schulz and S. Behnke,
Distinctive 3D surface entropy features for place recognition.,

[C204] A. Berner, Jun Li, D. Holz, J. Stueckler, S. Behnke and R. Klein,
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[C205] J. Stueckler and S. Behnke,
Hierarchical Object Discovery and Dense Modelling From Motion Cues in RGB-D Video,

[C206] M. Nieuwenhuisen, D. Droeschel, D. Holz, J. Stueckler, A. Berner, Jun Li, R. Klein and S. Behnke,
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[C207] L. Gorelick, F. R. Schmidt and Y. Boykov,
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[C208] L. Ma, T. Whelan, E. Bondarev, P. H. N. de With and J. McDonald,
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[C209] E. Rodola, A.M. Bronstein, A. Albarelli, F. Bergamasco and A. Torsello,
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[C210] F. Endres, J. Hess, N. Engelhard, J. Sturm, D. Cremers and W. Burgard,
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[C211] T. Ruehr, J. Sturm, D. Pangercic, M. Beetz and D. Cremers,
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[C212] Dominik Joho AND Gian Diego Tipaldi AND Nikolas Engelhard AND Cyrill Stachniss AND Wolfram Burgard,
Nonparametric Bayesian Models for Unsupervised Scene Analysis and Reconstruction,
[C213] M. Schikora, A. Gning, L. Mihaylova, D. Cremers, W. Koch and R. Streit,
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[C291] E. Toeppe, M. R. Oswald, D. Cremers and C. Rother,
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