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[C43] M. Eisenberger and D. Cremers,
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[C73] T. Yenamandra, F. Bernard, J. Wang, F. Mueller and C. Theobalt,
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[C79] E. Laude, T. Wu and D. Cremers,
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[C84] E.Y. Puang, P. Lehner, Z.C. Marton, M. Durner, R. Triebel and A. Albu-Schäffer,
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[C86] E. Jung, N. Yang and D. Cremers,
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[C87] S. Weiss, R. Maier, R. Westermann, D. Cremers and N. Thunery,
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[C91] R. Henschel, L. Leal-Taixe, D. Cremers and B. Rosenhahn,
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[C93] C. Hazirbas, S. G. Soyer, M. C. Staab, L. Leal-Taixe and D. Cremers,
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Asian Conference on Computer Vision (ACCV), December 2018.

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[C97] E. Laude, T. Wu and D. Cremers,
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StaticFusion: Background Reconstruction for Dense RGB-D SLAM in Dynamic Environments,

[C100] V. Golkov, A. Vasilev, F. Pasa, I. Lipp, W. Boubaker, E. Sgarlata, F. Pfeiffer, V. Tomassini, D. K. Jones and D. Cremers,
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[C103] P. Haeusser, J. Plapp, V. Golkov, E. Aljalbout and D. Cremers,
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[C104] T. Frerix, T. Möllenhoff, M. Moeller and D. Cremers,
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[C112] V. Usenko, N. Demmel and D. Cremers,
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[C115] I. Grixa, P. Schulz, W. Stürzl and R. Triebel,
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[C116] I. Chiotellis, F. Zimmermann, D. Cremers and R. Triebel,
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[C117] V. Estellers, F. Schmidt and D. Cremers,
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[C119] C. Nissler, M. Durner, Z.-C. Marton and R. Triebel,
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[C120] P. Wenzel, Q. Khan, D. Cremers and L. Leal-Taixe,
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*Conference on Robot Learning (CoRL)*, 2018.
[C121] M. Benning, M. Möller, R. Z. Nossek, M. Burger, D. Cremers and G. Gilboa, 
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[C122] D. Bender, W. Koch and D. Cremers, 
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[C124] M. Jaimez, C. Kerl, J. Gonzalez-Jimenez and D. Cremers, 
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International Conference on Quality Control by Artificial Vision (QCAV), 2017.

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[C165] Z. Lähner, E. Rodola, F. R. Schmidt, M. M. Bronstein and D. Cremers, 
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\textit{Evaluating Egomotion and Structure-from-Motion Approaches Using the TUM RGB-D Benchmark}, 


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[C339] T. Windheuser, U. Schlickewei, F. R. Schmidt and D. Cremers,
Geometrically Consistent Elastic Matching of 3D Shapes: A Linear Programming Solution,
*IEEE International Conference on Computer Vision (ICCV)*, 2011.

[C340] M. Aubry, U. Schlickewei and D. Cremers,
Pose-Consistent 3D Shape Segmentation Based on a Quantum Mechanical Feature Descriptor,

[C341] T. Schoenemann, S. Masnou and D. Cremers,
On a linear programming approach to the discrete Willmore boundary value problem and generalizations,

[C342] E. Strekalovskiy and D. Cremers,
Total Variation for Cyclic Structures: Convex Relaxation and Efficient Minimization,

[C343] B. Goldluecke and D. Cremers,
Introducing Total Curvature for Image Processing,
*IEEE International Conference on Computer Vision (ICCV)*, 2011.

[C344] E. Strekalovskiy, B. Goldluecke and D. Cremers,
Tight Convex Relaxations for Vector-Valued Labeling Problems,
*IEEE International Conference on Computer Vision (ICCV)*, 2011.

[C345] M. Aubry, K. Kolev, B. Goldluecke and D. Cremers,
Decoupling Photometry and Geometry in Dense Variational Camera Calibration,
*IEEE International Conference on Computer Vision (ICCV)*, 2011.

[C346] E. Strekalovskiy and D. Cremers,
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[C347] J. Hess, J. Sturm and W. Burgard,
Learning the State Transition Model to Efficiently Clean Surfaces with Mobile Manipulation Robots,
*Proc. of the Workshop on Manipulation under Uncertainty at the IEEE Int. Conf. on Robotics and Automation (ICRA)*, Shanghai, China, May 2011.

[C348] N. Engelhard, F. Endres, J. Hess, J. Sturm and W. Burgard,
Real-time 3D visual SLAM with a hand-held camera,

Towards a benchmark for RGB-D SLAM evaluation,
[C350] C. Nieuwenhuis, E. Toeppe and D. Cremers,
Space-Varying Color Distributions for Interactive Multiregion Segmentation: Discrete versus Continuous Approaches,

[C351] M. Klodt and D. Cremers,
A Convex Framework for Image Segmentation with Moment Constraints,
IEEE International Conference on Computer Vision (ICCV), 2011.

[C352] M. Aubry, U. Schlickewei and D. Cremers,
The Wave Kernel Signature: A Quantum Mechanical Approach To Shape Analysis,
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[C353] F. Steinbruecker, J. Sturm and D. Cremers,
Real-Time Visual Odometry from Dense RGB-D Images,
Workshop on Live Dense Reconstruction with Moving Cameras at the Intl. Conf. on Computer Vision (ICCV), 2011.

Mobile Manipulation of Kitchen Containers,
Proc. of the IROS’11 Workshop on Results, Challenges and Lessons Learned in Advancing Robots with a Common Platform, San Francisco, CA, USA, 2011.

[C355] M. Schikora, M. Oispuu, W. Koch and D. Cremers,
Multiple Source Localization Based on Biased Bearings Using the Intensity Filter - Approach and Experimental Results,

[C356] S. Madhogaria, M. Schikora, W. Koch and D. Cremers,
Pixel-based Classification Method for Detecting Unhealthy Regions in Leaf Images,
6th IEEE ISIF Workshop on Sensor Data Fusion: Trends, Solutions, Applications (SDF), Berlin, Germany, September 2011.

[C357] M. Schikora, W. Koch, R.L. Streit and D. Cremers,
Sequential Monte Carlo Method for the iFilter,
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[C358] M. Oispuu and M. Schikora,
Multiple Emitter Localization Using a Realistic Airborne Array Sensor,
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[C359] M. Schikora, W. Koch and D. Cremers,
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[C360] E. Toeppe, M. R. Oswald, D. Cremers and C. Rother,
Silhouette-Based Variational Methods for Single View Reconstruction,

[C361] M. R. Oswald, E. Toeppe, C. Nieuwenhuis and D. Cremers,
A Survey on Geometry Recovery from a Single Image with Focus on Curved Object Reconstruction,

[C362] J. Shin, R. Triebel and R. Siegwart,
Unsupervised 3D Object Discovery and Categorization for Mobile Robots,

[C363] J. Maye, R. Triebel, L. Spinello and R. Siegwart,
Bayesian On-line Learning of Driving Behaviors,

[C364] B. Oehler, J. Stueckler, J. Welle, D. Schulz and S. Behnke,
Efficient Multi-resolution Plane Segmentation of 3D Point Clouds,

[C365] J. Stueckler and S. Behnke,
Following human guidance to cooperatively carry a large object,

[C366] J. Stueckler, R. Steffens, D. Holz and S. Behnke,
Real-Time 3D Perception and Efficient Grasp Planning for Everyday Manipulation Tasks.,
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[C367] J. Stueckler and S. Behnke,
Compliant Task-Space Control with Back-Drivable Servo Actuators,

[C368] D. Droeschel, J. Stueckler, D. Holz and S. Behnke,
Towards joint attention for a domestic service robot - person awareness and gesture recognition using Time-of-Flight cameras,
Proc. of the IEEE Int. Conf. on Robotics and Automation (ICRA), 1205-1210, may 2011.

[C369] J. Stueckler and S. Behnke,
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[C370] D. Droeschel, J. Stueckler and S. Behnke,
Learning to Interpret Pointing Gestures with a Time-of-flight Camera,
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[C371] F. R. Schmidt, H. Ackermann and B. Rosenhahn,
Multilinear Model Estimation with L2-Regularization,

[C372] A. Delong, L. Gorelick, F. R. Schmidt, O. Veksler and Y. Boykov,
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[C373] A. Albarelli, E. Rodola and A. Torsello,
Robust Camera Calibration using Inaccurate Targets,

[C374] E. Rodola, A. Albarelli and A. Torsello,
A Game-Theoretic Approach to Robust Selection of Multi-View Point Correspondence,
*20th International Conference on Pattern Recognition (ICPR)*, 57-60, 2010.

[C375] A. Albarelli, E. Rodola, A. Cavallarin and A. Torsello,
Robust Figure Extraction on Textured Background: a Game-Theoretic Approach,

[C376] E. Rodola, A. Albarelli and A. Torsello,
A Game-Theoretic Approach to the Enforcement of Global Consistency in Multi-View Feature Matching,

[C377] A. Albarelli, E. Rodola and A. Torsello,
A Game-Theoretic Approach to Fine Surface Registration without Initial Motion Estimation,

[C378] A. Albarelli, E. Rodola and A. Torsello,
Robust Game-Theoretic Inlier Selection for Bundle Adjustment,
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[C379] A. Albarelli, E. Rodola and A. Torsello,
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[C380] M. Schikora, A. Schikora, K.-H. Kogel, W. Koch and D. Cremers,
Probabilistic Classification of Disease Symptoms caused by Salmonella on Arabidopsis Plants,
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[C381] M. Schikora, D. Bender, D. Cremers and W. Koch,
Passive Multi-Object Localization and Tracking Using Bearing Data,
[C382] M. Schikora, D. Bender, W. Koch and D. Cremers,
Multi-target multi-sensor localization and tracking using passive antenna and optical sensors on UAVs,

[C383] E. Toeppe, M. R. Oswald, D. Cremers and C. Rother,
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*Asian Conference on Computer Vision*, Queenstown, New Zealand, 53-64, nov 2010, Received Honorable Mention Award.

[C384] J. Stühmer, S. Gumhold and D. Cremers,
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*Pattern Recognition (Proc. DAGM)*, Darmstadt, Germany, 11-20, September 2010.

[C385] J. Stühmer, S. Gumhold and D. Cremers,
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[C386] B. Goldluecke and D. Cremers,
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[C387] B. Goldluecke and D. Cremers,
Convex Relaxation for Multilabel Problems with Product Label Spaces,

[C388] C. Nieuwenhuis and D. Kondermann,
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[C389] C. Nieuwenhuis, B. Berkels and M. Rumpf,
Interactive Motion Segmentation,

[C390] J. Sturm, K. Konolige, C. Stachniss and W. Burgard,
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[C391] J. Sturm, K. Konolige, C. Stachniss and W. Burgard,
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[C392] S. Chitta, M. Piccoli and J. Sturm,
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[C393] J. Sturm, A. Jain, C. Stachniss, C. C. Kemp and W. Burgard,
**Operating Articulated Objects Based on Experience,**

[C394] R. Kaestner, N. Engelhard, R. Triebel and R. Siegwart,
*A Bayesian Approach to Learning 3D Representations of Dynamic Environments,*

[C395] L. Spinello, R. Triebel, D. Vasquez, K. Arras and R. Siegwart,
**Exploiting Repetitive Object Patterns for Model Compression and Completion,**

[C396] R. Triebel, J. Shin and R. Siegwart,
**Segmentation and Unsupervised Part-based Discovery of Repetitive Objects,**

[C397] L. Spinello, K. O. Arras, R. Triebel and R. Siegwart,
**A Layered Approach to People Detection in 3D Range Data,**
*special track on Physically Grounded AI of AAAI*, 2010.

[C398] J. Shin, R. Triebel and R. Siegwart,
**Unsupervised Discovery of Repetitive Objects,**

[C399] J. Maye, L. Spinello, R. Triebel and R. Siegwart,
**Inferring the Semantics of Direction Signs in Public Places,**

[C400] K. Gräve, J. Stueckler and S. Behnke,
**Improving imitated grasping motions through interactive expected deviation learning,**
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[C401] J. Stueckler and S. Behnke,
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[C402] J. Stueckler and S. Behnke,
**Improving People Awareness of Service Robots by Semantic Scene Knowledge,**

[C403] D. Holz, R. Schnabel, D. Droeschel, J. Stueckler and S. Behnke,
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[C404] H. Schulz, W. Liu, J. Stueckler and S. Behnke,
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[C405] K. Gräve, J. Stueckler and S. Behnke,
Learning Motion Skills from Expert Demonstrations and Own Experience using Gaussian Process Regression,

[C406] M. Nieuwenhuisen, J. Stueckler and S. Behnke,
Intuitive Multimodal Interaction for Domestic Service Robots,

[C407] M. Nieuwenhuisen, J. Stueckler and S. Behnke,
Improving indoor navigation of autonomous robots by an explicit representation of doors,
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Proc. of the IEEE Int. Conf. on Robotics and Automation (ICRA), 4035-4040, may 2010.

[C409] L Mösenlechner, N Demmel and M Beetz,
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[C410] A. Albarelli, E. Rodola, S. R Bulo and A. Torsello,
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[C411] M. R. Oswald, E. Toepppe, K. Kolev and D. Cremers,
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[C412] F. R. Schmidt and D. Cremers,
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[C413] F. R. Schmidt, E. Toepppe and D. Cremers,
Efficient Planar Graph Cuts with Applications in Computer Vision,
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351-356, jun 2009, Received a CVPR Doctoral Spotlight Award.

[C414] T. Pock, A. Chambolle, H. Bischof and D. Cremers,
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[C415] A. Wedel, C. Rabe, A. Meissner, U. Franke and D. Cremers,
Detection and Segmentation of Independently Moving Objects from Dense Scene Flow,

[C416] B. Goldluecke and D. Cremers,
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[C417] B. Goldluecke and D. Cremers,
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[C418] A. Sellent, M. Eisemann, B. Goldluecke, T. Pock, D. Cremers and M. Magnor,
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[C419] T. Pock, D. Cremers, H. Bischof and A. Chambolle,
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[C421] T. Schoenemann, F. Kahl and D. Cremers,
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[C424] D. Mitzel, T. Pock, T. Schoenemann and D. Cremers,
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[C425] B. Berkels, C. Nieuwenhuis, C. Garbe and M. Rumpf,
Reconstructing Optical Flow Fields by Motion Inpainting,

[C426] C. Eppner, J. Sturm, M. Bennewitz, C. Stachniss and W. Burgard,
Imitation Learning with Generalized Task Descriptions,
[C427] H. Schulz, L. Ott, J. Sturm and W. Burgard, 
Learning Kinematics from Direct Self-Observation Using Nearest-Neighbor Methods, 

[C428] J. Sturm, C. Stachniss, V. Pradeep, C. Plagemann, K. Konolige and W. Burgard, 
Towards Understanding Articulated Objects, 

[C429] J. Sturm, V. Pradeep, C. Stachniss, C. Plagemann, K. Konolige and W. Burgard, 
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[C431] A. Schneider, J. Sturm, C. Stachniss, M. Reisert, H. Burkhardt and W. Burgard, 
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[C433] M. Schikora and B. Romba, 
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[C436] L. Spinello, A. Macho, R. Triebel and R. Siegwart, 
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[C437] L. Spinello, R. Triebel and R. Siegwart, 
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[C438] D. Engel, L. Spinello, R. Triebel, C. Curio, R. Siegwart and H. Bülthoff, 
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domestic service tasks,
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[C442] T. Pock, T. Schoenemann, G. Graber, H. Bischof and D. Cremers,
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[C443] A. Wedel, C. Rabe, T. Vaudrey, T. Brox, U. Franke and D. Cremers,
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[C444] A. Wedel, T. Pock, J. Braun, U. Franke and D. Cremers,
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[C445] M. Klodt, T. Schoenemann, K. Kolev, M. Schikora and D. Cremers,
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T. Schoenemann and D. Cremers,
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[C463] L. Spinello, R. Triebel and R. Siegwart, 
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[C471] T. Schoenemann and D. Cremers, 
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Intelligent Vehicles, Istanbul, Turkey, jun 2007.

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[C477] C. Schmaltz, B. Rosenhahn, T. Brox, D. Cremers, J. Weickert, L. Wietzke and G. Sommer,
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[C479] F. R. Schmidt, E. Toeppe, D. Cremers and Y. Boykov,
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