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[C197] J. Sturm and W. Burgard,
Learning Probabilistic Models for Mobile Manipulation Robots,
Proc. of the International Joint Conference on Artificial Intelligence (IJCAI), Track on
Best papers in Sister Conferences, 2013.

[C198] M. Souiai, E. Strekalovskiy, C. Nieuwenhuis and D. Cremers,

[C199] F. Stangl, M. Souiai and D. Cremers,
Performance Evaluation of Narrow Band Methods for Variational Stereo,
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[C200] T. Möllenhoff, C. Nieuwenhuis, E. Toeppe and D. Cremers,
Efficient Convex Optimization for Minimal Partition Problems with Volume
Constraints, 2013.

[C201] C. Kerl, J. Sturm and D. Cremers,
Dense Visual SLAM for RGB-D Cameras,

[C202] T. Naseer, J. Sturm and D. Cremers,
FollowMe: Person Following and Gesture Recognition with a Quadrocopter,

[C203] M. Klodt, J. Sturm and D. Cremers,
Scale-Aware Object Tracking with Convex Shape Constraints on RGB-D Images,
German Conference on Pattern Recognition (GCPR), Saarbrücken, Germany, September
2013.

[C204] J. Sturm, E. Bylow, F. Kahl and D. Cremers,
Dense Tracking and Mapping with a Quadrocopter,
Unmanned Aerial Vehicle in Geomatics (UAV-g), Rostock, Germany, September 2013.

[C205] D. Bender, M. Schikora, J. Sturm and D. Cremers,
Graph-based bundle adjustment for INS-camera calibration,
Unmanned Aerial Vehicle in Geomatics (UAV-g), Rostock, Germany, September 2013,
Best research paper award.

[C206] J. Sturm, E. Bylow, F. Kahl and D. Cremers,
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[C208] J. Engel, J. Sturm and D. Cremers,
**Semi-Dense Visual Odometry for a Monocular Camera**, Sydney, Australia, December 2013.

[C209] E. Rodola, A. Torsello, T. Harada, Y. Kuniyoshi and D. Cremers,

[C210] J. Lellmann, E. Strekalovskiy, S. Koetter and D. Cremers,
**Total Variation Regularization for Functions with Values in a Manifold**, Sydney, Australia, December 2013.

[C211] C. Nieuwenhuis, E. Strekalovskiy and D. Cremers,

[C212] J. Stühmer, P. Schröder and D. Cremers,
**Tree Shape Priors with Connectivity Constraints using Convex Relaxation on General Graphs**, Sydney, Australia, December 2013, Oral Presentation.

[C213] G. Kuschk and D. Cremers,
**Fast and Accurate Large-scale Stereo Reconstruction using Variational Methods**, *ICCV Workshop on Big Data in 3D Computer Vision*, Sydney, Australia, December 2013.

[C214] M. R. Oswald and D. Cremers,
**A Convex Relaxation Approach to Space Time Multi-view 3D Reconstruction**, *ICCV Workshop on Dynamic Shape Capture and Analysis (4DMOD)*, 2013.

[C215] F. Steinbruecker, C. Kerl, J. Sturm and D. Cremers,
**Large-Scale Multi-Resolution Surface Reconstruction from RGB-D Sequences**, Sydney, Australia, 2013.

[C216] T. Naseer, J. Sturm and D. Cremers,
**Interactive Person Following and Gesture Recognition with a Flying Robot**, *Proc. of the Assistance and Service Robotics Workshop (ASROB) at the IEEE Int. Conf. on Intelligent Robots and Systems (IROS)*, Nov. 2013.


[C218] D. Cremers, E. Rodola and T. Windheuser,
M. Schadler, J. Stueckler and S. Behnke,
Multi-resolution surfel mapping and real-time pose tracking using a con-
tinuously rotating 2D laser scanner,

J. Stueckler and S. Behnke,
Efficient Dense 3D Rigid-Body Motion Segmentation in RGB-D Video,

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T. Fiolka, J. Stueckler, D. A. Klein, D. Schulz and S. Behnke,
Distinctive 3D surface entropy features for place recognition.,

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mation of prefabricated parts,

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Hierarchical Object Discovery and Dense Modelling From Motion Cues in
RGB-D Video,
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S. Behnke,
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L. Gorelick, F. R. Schmidt and Y. Boykov,
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L. Ma, T. Whelan, E. Bondarev, P. H. N. de With and J. McDonald,
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E. Rodola, A.M. Bronstein, A. Albarelli, F. Bergamasco and A. Torsello,
A game-theoretic approach to deformable shape matching,

F. Endres, J. Hess, N. Engelhard, J. Sturm, D. Cremers and W. Burgard,
An Evaluation of the RGB-D SLAM System,
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[C230] T. Ruehr, J. Sturm, D. Pangercic, M. Beetz and D. Cremers,
A Generalized Framework for Opening Doors and Drawers in Kitchen Environments,

[C231] Dominik Joho AND Gian Diego Tipaldi AND Nikolas Engelhard AND Cyrill Stachniss
AND Wolfram Burgard,
Nonparametric Bayesian Models for Unsupervised Scene Analysis and Reconstruction,

[C232] M. Schikora, A. Gning, L. Mihaylova, D. Cremers, W. Koch and R. Streit,
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[C233] M. Schikora, A. Gning, L. Mihaylova, D. Cremers and W. Koch,
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Real-Time Human Motion Tracking using Multiple Depth Cameras,

[C235] E. Strekalovskiy, C. Nieuwenhuis and D. Cremers,
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[C243] J. Sturm, W. Burgard and D. Cremers,
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Parsing Outdoor Scenes from Streamed 3D Laser Data Using Online Clustering and Incremental Belief Updates,

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Integrating depth and color cues for dense multi-resolution scene mapping using RGB-D cameras,
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[C253] T. Fiolka, J. Stueckler, D. A. Klein, D. Schulz and S. Behnke,
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**Decoupling Photometry and Geometry in Dense Variational Camera Calibration**,  
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**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.

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The Wave Kernel Signature: A Quantum Mechanical Approach To Shape Analysis, 
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Mobile Manipulation of Kitchen Containers, 
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[C283] S. Madhogaria, M. Schikora, W. Koch and D. Cremers, 
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[C287] E. Toeppe, M. R. Oswald, D. Cremers and C. Rother,
*Silhouette-Based Variational Methods for Single View Reconstruction*,

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*A Survey on Geometry Recovery from a Single Image with Focus on Curved Object Reconstruction*,

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*Unsupervised 3D Object Discovery and Categorization for Mobile Robots*,

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*Efficient Multi-resolution Plane Segmentation of 3D Point Clouds*,

[C292] J. Stueckler and S. Behnke,
*Following human guidance to cooperatively carry a large object*,
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Dense Depth Video using Projected Texture Stereo,  
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