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35
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All: 1

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[C332] G. M. Garcia, D. A. Klein, J. Stueckler, S. Frintrop and A. B. Cremers,
Adaptive Multi-cue 3D Tracking of Arbitrary Objects,
Pinz, Axel, Pock, Thomas, Bischof, Horst, Leberl and Franz(Eds.), DAGM/OAGM Symposium,

[C333] J. Stueckler and S. Behnke,
Model Learning and Real-Time Tracking Using Multi-Resolution Surfel Maps,
2012.

[C334] M. Nieuwenhuisen, J. Stueckler, A. Berner, R. Klein and S. Behnke,
Shape-Primitive Based Object Recognition and Grasping,

[C335] J. Kläs, J. Stueckler and S. Behnke,
Efficient Mobile Robot Navigation using 3D Surfel Grid Maps,

[C336] J. Stueckler and S. Behnke,
Robust Real-Time Registration of RGB-D Images using Multi-Resolution Surfel Representations,

[C337] V. Usenko, F. Seidel, Z. Marton, D. Pangercic and M. Beetz,
Furniture Classification using WWW CAD Models,

[C338] F. R. Schmidt and Y. Boykov,
Hausdorff Distance Constraint for Multi-Surface Segmentation,

[C339] L. Gorelick, F. R. Schmidt, Y. Boykov, A. Delong and A. Ward,
Segmentation with non-linear regional constraints via line-search cuts,

[C340] A. Torsello, E. Rodola and A. Albarelli,
Multiview Registration via Graph Diffusion of Dual Quaternions,

[C341] F. Bergamasco, A. Albarelli, E. Rodola and A. Torsello,
RUNE-Tag: a High Accuracy Fiducial Marker with Strong Occlusion Resilience,

[C342] A. Albarelli, E. Rodola and A. Torsello,
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[C343] A. Torsello, E. Rodola and A. Albarelli,
Sampling Relevant Points for Surface Registration,
International Conference on 3D Imaging, Modeling, Processing, Visualization and Transmission (3DIMPVT), 290-295, 2011.
[C344] 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.

[C345] M. Aubry, U. Schlickewei and D. Cremers,
Pose-Consistent 3D Shape Segmentation Based on a Quantum Mechanical Feature Descriptor,

[C346] T. Schoememann, S. Masnou and D. Cremers,
On a linear programming approach to the discrete Willmore boundary value problem and generalizations,

[C347] E. Strekalovskiy and D. Cremers,
Total Variation for Cyclic Structures: Convex Relaxation and Efficient Minimization,

[C348] B. Goldluecke and D. Cremers,
Introducing Total Curvature for Image Processing,
*IEEE International Conference on Computer Vision (ICCV)*, 2011.

[C349] E. Strekalovskiy, B. Goldluecke and D. Cremers,
Tight Convex Relaxations for Vector-Valued Labeling Problems,
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[C350] M. Aubry, K. Kolev, B. Goldluecke and D. Cremers,
Decoupling Photometry and Geometry in Dense Variational Camera Calibration,
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[C351] E. Strekalovskiy and D. Cremers,
Generalized Ordering Constraints for Multilabel Optimization,
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[C352] J. Hess, J. Sturm and W. Burgard,
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*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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Real-time 3D visual SLAM with a hand-held camera,

Towards a benchmark for RGB-D SLAM evaluation,
[C355] C. Nieuwenhuis, E. Toeppe and D. Cremers,
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[C356] M. Klodt and D. Cremers,
A Convex Framework for Image Segmentation with Moment Constraints,
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[C357] M. Aubry, U. Schlickewei and D. Cremers,
The Wave Kernel Signature: A Quantum Mechanical Approach To Shape Analysis,
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[C358] F. Steinbruecker, J. Sturm and D. Cremers,
Real-Time Visual Odometry from Dense RGB-D Images,
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*Proc. of the IROS’11 Workshop on Results, Challenges and Lessons Learned in Advancing Robots with a Common Platform*, San Francisco, CA, USA, 2011.

[C360] M. Schikora, M. Oispuu, W. Koch and D. Cremers,
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[C361] 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.

[C362] M. Schikora, W. Koch, R.L. Streit and D. Cremers,
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*14th International Conference on Information Fusion (FUSION)*, Chicago, IL, USA, July 2011.

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Multiple Emitter Localization Using a Realistic Airborne Array Sensor,
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[C364] M. Schikora, W. Koch and D. Cremers,
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E. Toeppe, M. R. Oswald, D. Cremers and C. Rother,
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the 2010 international conference on Video Processing and Computational Video, Berlin,

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rithms, Springer-Verlag, 2011.

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gesture recognition using Time-of-Flight cameras,
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[C376] F. R. Schmidt, H. Ackermann and B. Rosenhahn,
Multilinear Model Estimation with L2-Regularization,

[C377] A. Delong, L. Gorelick, F. R. Schmidt, O. Veksler and Y. Boykov,
Interactive Segmentation with Super-Labels,

[C378] A. Albarelli, E. Rodola and A. Torsello,
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[C379] E. Rodola, A. Albarelli and A. Torsello,
A Game-Theoretic Approach to Robust Selection of Multi-View Point Correspondence,
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[C381] E. Rodola, A. Albarelli and A. Torsello,
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[C383] A. Albarelli, E. Rodola and A. Torsello,
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[C384] A. Albarelli, E. Rodola and A. Torsello,
Loosely Distinctive Features for Robust Surface Alignment,

[C385] M. Schikora, A. Schikora, K.-H. Kogel, W. Koch and D. Cremers,
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[C386] M. Schikora, D. Bender, D. Cremers and W. Koch,
Passive Multi-Object Localization and Tracking Using Bearing Data,
[C387] M. Schikora, D. Bender, W. Koch and D. Cremers,
Multi-target multi-sensor localization and tracking using passive antenna and
optical sensors on UAVs,

[C388] E. Toeppe, M. R. Oswald, D. Cremers and C. Rother,
Image-based 3D Modeling via Cheeger Sets,
Asian Conference on Computer Vision, Queenstown, New Zealand, 53-64, nov 2010, Received Honorable Mention Award.

[C389] J. Stühmer, S. Gumhold and D. Cremers,
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[C390] J. Stühmer, S. Gumhold and D. Cremers,
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An Approach to Vectorial Total Variation based on Geometric Measure Theo-
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[C393] C. Nieuwenhuis and D. Kondermann,
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[C395] J. Sturm, K. Konolige, C. Stachniss and W. Burgard,
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Science and Systems Conference (RSS), Zaragoze, Spain, June 2010.

[C396] J. Sturm, K. Konolige, C. Stachniss and W. Burgard,
Vision-based Detection for Learning Articulation Models of Cabinet Doors
and Drawers in Household Environments,
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[C397] S. Chitta, M. Piccoli and J. Sturm,
Tactile Object Class and Internal State Recognition for Mobile Manipulation,
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[C398] J. Sturm, A. Jain, C. Stachniss, C. C. Kemp and W. Burgard,  
**Operating Articulated Objects Based on Experience,**  

[C399] R. Kaestner, N. Engelhard, R. Triebel and R. Siegwart,  
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[C400] L. Spinello, R. Triebel, D. Vasquez, K. Arras and R. Siegwart,  
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[C402] L. Spinello, K. O. Arras, R. Triebel and R. Siegwart,  
**A Layered Approach to People Detection in 3D Range Data,**  
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[C403] J. Shin, R. Triebel and R. Siegwart,  
**Unsupervised Discovery of Repetitive Objects,**  

[C404] J. Maye, L. Spinello, R. Triebel and R. Siegwart,  
**Inferring the Semantics of Direction Signs in Public Places,**  

[C405] K. Gräve, J. Stueckler and S. Behnke,  
**Improving imitated grasping motions through interactive expected deviation learning,**  
*Proc. of the 10th IEEE-RAS Int. Conf. on Humanoid Robots (Humanoids)*, 397-404, dec 2010.

[C406] J. Stueckler and S. Behnke,  
**Combining depth and color cues for scale- and viewpoint-invariant object segmentation and recognition using Random Forests,**  

[C407] J. Stueckler and S. Behnke,  
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[C408] D. Holz, R. Schnabel, D. Droeschel, J. Stueckler and S. Behnke,  
**Towards Semantic Scene Analysis with Time-of-flight Cameras,**  
[C409] H. Schulz, W. Liu, J. Stueckler and S. Behnke,
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[C410] K. Gräve, J. Stueckler and S. Behnke,
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using Gaussian Process Regression,

[C411] M. Nieuwenhuisen, J. Stueckler and S. Behnke,
Intuitive Multimodal Interaction for Domestic Service Robots,

[C412] M. Nieuwenhuisen, J. Stueckler and S. Behnke,
Improving indoor navigation of autonomous robots by an explicit representa-
tion of doors,
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dance,
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[C414] L Mösenlechner, N Demmel and M Beetz,
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[C415] A. Albarelli, E. Rodola, S. R Bulo and A. Torsello,
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[C416] M. R. Oswald, E. Toeppe, K. Kolev and D. Cremers,
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Optimization,
Pattern Recognition (Proc. DAGM), Jena, Germany, 171-180, September 2009, Received
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[C417] F. R. Schmidt and D. Cremers,
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Shape Priors,
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[C418] F. R. Schmidt, E. Toeppe and D. Cremers,
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IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Miami, Florida,
351-356, jun 2009, Received a CVPR Doctoral Spotlight Award.

[C419] T. Pock, A. Chambolle, H. Bischof and D. Cremers,
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[C432] H. Schulz, L. Ott, J. Sturm and W. Burgard,
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[C433] J. Sturm, C. Stachniss, V. Pradeep, C. Plagemann, K. Konolige and W. Burgard,
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Learning Kinematic Models for Articulated Objects,
Proc. of the International Joint Conference on Artificial Intelligence (IJCAI), July 2009.

[C435] D. Meyer-Delius, J. Sturm and W. Burgard,
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Object Identification with Tactile Sensors Using Bag-of-Features,

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[C438] M. Schikora and B. Romba,
A Framework for Multiple Radar and Multiple 2D/3D Camera Fusion,
4th IEEE ISIF Workshop on Sensor Data Fusion: Trends, Solutions, Applications (SDF), Luebeck, Germany, October 2009.

[C439] M. Schikora,
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7th International Conference on Energy Minimization Methods in Computer Vision and Pattern Recognition (EMMCVPR), Bonn, Germany, August 2009.

[C440] M. Schikora, M. Häge, E. Ruthotto and K. Wild,
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Detecting Pedestrians at Very Small Scales,

[C442] L. Spinello, R. Triebel and R. Siegwart,
Multiclass Multimodal Detection and Tracking in Urban Environments,
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[C443] D. Engel, L. Spinello, R. Triebel, C. Curio, R. Siegwart and H. Bülthoff,
Medial Features for Superpixel Segmentation,
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[C444] J. Stueckler and S. Behnke,
Integrating indoor mobility, object manipulation, and intuitive interaction for
domestic service tasks,
Proc. of the IEEE-RAS Int. Conf. on Humanoid Robots (Humanoids), 506-513, dec 2009.

[C445] J. Stueckler, M. Schreiber and S. Behnke,
Dynamaid, an Anthropomorphic Robot for Research on Domestic Service Applications,

[C446] T. Schoenemann, F. R. Schmidt and D. Cremers,
Image Segmentation with Elastic Shape Priors via Global Geodesics in Product Spaces,

[C447] T. Pock, T. Schoenemann, G. Graber, H. Bischof and D. Cremers,
A Convex Formulation of Continuous Multi-Label Problems,
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[C450] M. Klodt, T. Schoenemann, K. Kolev, M. Schikora and D. Cremers,
An Experimental Comparison of Discrete and Continuous Shape Optimization Methods,
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[C451] A. Wedel, T. Pock, C. Zach, D. Cremers and H. Bischof,
An Improved Algorithm for TV-L1 Optical Flow,

[C452] W. Trobin, T. Pock, D. Cremers and H. Bischof,
An Unbiased Second-Order Prior for High-Accuracy Motion Estimation,
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[C453] D. Cremers, F. R. Schmidt and F. Barthel,
Shape Priors in Variational Image Segmentation: Convexity, Lipschitz Continuity and Globally Optimal Solutions,

Markerless Motion Capture of Man-Machine Interaction,

59
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[C455] T. Schoenemann and D. Cremers,
Matching Non-rigidly Deformable Shapes Across Images: A Globally Optimal Solution,

[C456] T. Schoenemann and D. Cremers,
Globally Optimal Shape-based Tracking in Real-time,

[C457] T. Schoenemann and D. Cremers,
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[C458] B. Rosenhahn, T. Brox, D. Cremers and H.-P. Seidel,
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[C459] O. Kleinschmidt, T. Brox and D. Cremers,
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*Int. Workshop on Local and Nonlocal Approximation*, Lausanne, Switzerland, aug 2008.

[C460] C. Nieuwenhuis, R. Mester and C. Garbe,
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[C461] B. Andres, C. Nieuwenhuis, D. Kondermann, U. Köthe and R. Hamprecht,
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[C463] J. Sturm, C. Plagemann and W. Burgard,
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[C464] J. Sturm, C. Plagemann and W. Burgard,
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[C465] J. Sturm, C. Plagemann and W. Burgard,
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[C466] D. Kondermann, C. Nieuwenhuis, A. Berthe, U. Kertzscher and C. Garbe,
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with Explicit Ground Plane Extraction,

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[C470] J. Stueckler and S. Behnke,
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[C471] S. Frintrop, M. Klodt and E. Rome,
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[C472] S. May, M. Klodt, E. Rome and R. Breithaupt,
GPU-accelerated Affordance Cueing based on Visual Attention,

[C473] K. Kolev, M. Klodt, T. Brox and D. Cremers,
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[C475] T. Brox, B. Rosenhahn, D. Cremers and H.-P. Seidel,
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motion tracking,
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[C476] T. Schoenemann and D. Cremers,
Globally Optimal Image Segmentation with an Elastic Shape Prior,
[C477] T. Schoenemann and D. Cremers, 
Introducing Curvature into Globally Optimal Image Segmentation: Minimum Ratio Cycles on Product Graphs, 

[C478] F. R. Schmidt, D Farin and D. Cremers, 
Fast Matching of Planar Shapes in Sub-cubic Runtime, 

[C479] F. R. Schmidt, E. Toeppe, D. Cremers and Y. Boykov, 
Intrinsic Mean for Semimetrical Shape Retrieval via Graph Cuts, 

[C480] A. Wedel and U. Franke, 
Monocular Video Serves RADAR-based Emergency Braking, 

[C481] A. Wedel, T. Schoenemann, T. Brox and D. Cremers, 
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Occlusion Modeling by Tracking Multiple Objects, 

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[C484] F. R. Schmidt, E. Toeppe, D. Cremers and Y. Boykov, 
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Scaled motion dynamics for markerless motion capture, 

[C486] D. Cremers, 
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[C488] T. Brox and D. Cremers, 
*Iterated Nonlocal Means for Texture Restoration*,

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[C490] D. Cremers, O. Fluck, M. Rousson and S. Aharon, 
*A probabilistic level set formulation for interactive organ segmentation*,

[C491] C. Nieuwenhuis, D. Kondermann and B. Jähne, 
*An Adaptive Confidence Measure for Optical Flows Based on Linear Subspace Projections*,

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