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Furniture Classification using WWW CAD Models,

[C232] F. R. Schmidt and Y. Boykov,
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[C233] L. Gorelick, F. R. Schmidt, Y. Boykov, A. Delong and A. Ward,
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[C234] A. Torsello, E. Rodola and A. Albarelli, 
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[C236] A. Albarelli, E. Rodola and A. Torsello, 
A Non-Cooperative Game for 3D Object Recognition in Cluttered Scenes, 
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[C237] A. Torsello, E. Rodola and A. Albarelli, 
Sampling Relevant Points for Surface Registration, 
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[C238] T. Windheuser, U. Schlickewei, F. R. Schmidt and D. Cremers, 
Geometrically Consistent Elastic Matching of 3D Shapes: A Linear Programming Solution, 
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[C239] M. Aubry, U. Schlickewei and D. Cremers, 
Pose-Consistent 3D Shape Segmentation Based on a Quantum Mechanical Feature Descriptor, 
Frankfurt, Germany, Springer, 2011.

[C240] T. Schoenemann, S. Masnou and D. Cremers, 
On a linear programming approach to the discrete Willmore boundary value problem and generalizations, 

[C241] E. Strekalovskiy and D. Cremers, 
Total Variation for Cyclic Structures: Convex Relaxation and Efficient Minimization, 

[C242] B. Goldluecke and D. Cremers, 
Introducing Total Curvature for Image Processing, 
2011.

[C243] E. Strekalovskiy, B. Goldluecke and D. Cremers, 
Tight Convex Relaxations for Vector-Valued Labeling Problems, 
2011.

[C244] M. Aubry, K. Kolev, B. Goldluecke and D. Cremers, 
Decoupling Photometry and Geometry in Dense Variational Camera Calibration, 
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[C245] E. Strekalovskiy and D. Cremers, 
Generalized Ordering Constraints for Multilabel Optimization, 
2011.
[C246] J. Hess, J. Sturm and W. Burgard,
Learning the State Transition Model to Efficiently Clean Surfaces with Mobile Mani-
polation Robots,
*Proc. of the Workshop on Manipulation under Uncertainty at the IEEE Int. Conf. on
Robotics and Automation (ICRA)*, Shanghai, China, May 2011.

[C247] N. Engelhard, F. Endres, J. Hess, J. Sturm and W. Burgard,
Real-time 3D visual SLAM with a hand-held camera,
*Proc. of the RGB-D Workshop on 3D Perception in Robotics at the European Robotics

[C248] J. Sturm, S. Magnenat, N. Engelhard, F. Pomerleau, F. Colas, W. Burgard, D. Cre-
mers and R. Siegwart,
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*Proc. of the RGB-D Workshop on Advanced Reasoning with Depth Cameras at Robotics:
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[C249] C. Nieuwenhuis, E. Toeppe and D. Cremers,
Space-Varying Color Distributions for Interactive Multiregion Segmentation: Discrete versus Continuous Approaches,
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[C250] M. Klodt and D. Cremers,
A Convex Framework for Image Segmentation with Moment Constraints,
2011.

[C251] M. Aubry, U. Schlickewei and D. Cremers,
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lysis,
*IEEE International Conference on Computer Vision (ICCV) - Workshop on Dynamic
Shape Capture and Analysis (4DMOD)*, 2011.

[C252] 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 Com-

M. Beetz and W. Burgard,
Mobile Manipulation of Kitchen Containers,
*Proc. of the IROS’11 Workshop on Results, Challenges and Lessons Learned in Advancing

[C254] M. Schikora, M.Oispuu, W. Koch and D. Cremers,
Multiple Source Localization Based on Biased Bearings Using the Intensity Filter - Approach and Experimental Results,

[C255] S. Madhogaria, M. Schikora, W. Koch and D. Cremers,
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[C258] M. Schikora, W. Koch and D. Cremers,
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[C259] E. Toeppe, M. R. Oswald, D. Cremers and C. Rother,
Silhouette-Based Variational Methods for Single View Reconstruction,
D. Cremers, M. A. Magnor, M. R. Oswald and L. Zelnik-Manor(Eds.),

[C260] M. R. Oswald, E. Toeppe, C. Nieuwenhuis and D. Cremers,
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[C261] J. Shin, R. Triebel and R. Siegwart,
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[C263] B. Oehler, J. Stueckler, J. Welle, D. Schulz and S. Behnke,
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gesture recognition using Time-of-Flight cameras,
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[C269] D. Droeschel, J. Stueckler and S. Behnke,
Learning to Interpret Pointing Gestures with a Time-of-flight Camera,

[C270] F. R. Schmidt, H. Ackermann and B. Rosenhahn,
Multilinear Model Estimation with L2-Regularization,

[C271] A. Delong, L. Gorelick, F. R. Schmidt, O. Veksler and Y. Boykov,
Interactive Segmentation with Super-Labels,
20th International Conference on Pattern Recognition (ICPR), 57-60, 2010.

[C272] A. Albarelli, E. Rodola and A. Torsello,
Robust Camera Calibration using Inaccurate Targets,
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Robust Figure Extraction on Textured Background: a Game-Theoretic Approach,

[C275] E. Rodola, A. Albarelli and A. Torsello,
A Game-Theoretic Approach to the Enforcement of Global Consistency in Multi-View Feature Matching,

[C276] A. Albarelli, E. Rodola and A. Torsello,
A Game-Theoretic Approach to Fine Surface Registration without Initial Motion Estimation,

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[C278] A. Albarelli, E. Rodola and A. Torsello,
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M. Schikora, D. Bender, W. Koch and D. Cremers,
Multi-target multi-sensor localization and tracking using passive antenna and optical sensors on UAVs,

E. Toepppe, M. R. Oswald, D. Cremers and C. Rother,
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B. Goldluecke and D. Cremers,
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C. Nieuwenhuis and D. Kondermann,
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Interactive Motion Segmentation,

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Vision-based Detection for Learning Articulation Models of Cabinet Doors 
and Drawers in Household Environments, 

[C291] S. Chitta, M. Piccoli and J. Sturm, 
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[C292] J. Sturm, A. Jain, C. Stachniss, C. C. Kemp and W. Burgard, 
Operating Articulated Objects Based on Experience, 
Proc. of the International Conference on Intelligent Robot Systems (IROS), Taipei, Tai- 

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ments, 
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Exploiting Repetitive Object Patterns for Model Compression and Completi- 
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[C295] R. Triebel, J. Shin and R. Siegwart, 
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[C296] L. Spinello, K. O. Arras, R. Triebel and R. Siegwart, 
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2010.

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[C299] K. Gräve, J. Stueckler and S. Behnke, 
Improving imitated grasping motions through interactive expected deviation 
learning, 
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cember 2010.

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mentation and recognition using Random Forests, 
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Improving People Awareness of Service Robots by Semantic Scene Knowledge,
del Solar, Javier Ruiz, Chown, Eric, Plöger and Paul-Gerhard(Eds.), RobuCup, Springer,

[C302] D. Holz, R. Schnabel, D. Droeschel, J. Stueckler and S. Behnke,
Towards Semantic Scene Analysis with Time-of-flight Cameras,
del Solar, Javier Ruiz, Chown, Eric, Plöger and Paul-Gerhard(Eds.), RobuCup, Springer,

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[C304] K. Gräve, J. Stueckler and S. Behnke,
Learning Motion Skills from Expert Demonstrations and Own Experience using Gaussian Process Regression,

[C305] M. Nieuwenhuisen, J. Stueckler and S. Behnke,
Intuitive Multimodal Interaction for Domestic Service Robots,

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Proc. of the IEEE Int. Conf. on Robotics and Automation (ICRA), 4895-4901, May 2010.

[C307] D. Droeschel, D. Holz, J. Stueckler and S. Behnke,
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[C309] A. Albarelli, E. Rodola, S. Rota Bulo and A. Torsello,
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[C310] M. R. Oswald, E. Toeppe, K. Kolev and D. Cremers,
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Jena, Germany, 171-180, September 2009, Received a DAGM Paper Award.

[C311] F. R. Schmidt and D. Cremers,
A Closed-Form Solution for Image Sequence Segmentation with Dynamical Shape Priors,
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[C312] F. R. Schmidt, E. Toeppe and D. Cremers,
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[C313] T. Pock, A. Chambolle, H. Bischof and D. Cremers,
A Convex Relaxation Approach for Computing Minimal Partitions,

[C314] A. Wedel, C. Rabe, A. Meissner, U. Franke and D. Cremers,
Detection and Segmentation of Independently Moving Objects from Dense Scene Flow,

[C315] B. Goldluecke and D. Cremers,
A Superresolution Framework for High-Accuracy Multiview Reconstruction,
Jena, Germany, 2009, Received DAGM Best Paper Award.

[C316] B. Goldluecke and D. Cremers,
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Kyoto, Japan, 2009.

[C317] A. Sellent, M. Eisemann, B. Goldluecke, T. Pock, D. Cremers and M. Magnor,
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[C318] T. Pock, D. Cremers, H. Bischof and A. Chambolle,
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A Linear Programming Relaxation,
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[C321] T. Windheuser, T. Schoenemann and D. Cremers,
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Kyoto, Japan, 2009.

[C323] D. Mitzel, T. Pock, T. Schoenemann and D. Cremers,
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Jena, Germany, 2009.

[C324] B. Berkels, C. Nieuwenhuis, C. Garbe and M. Rumpf,
Reconstructing Optical Flow Fields by Motion Inpainting,
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[C325] C. Eppner, J. Sturm, M. Bennewitz, C. Stachniss and W. Burgard,
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Kobe, Japan, May 2009.

[C326] H. Schulz, L. Ott, J. Sturm and W. Burgard,
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[C327] J. Sturm, C. Stachniss, V. Pradeep, C. Plagemann, K. Konolige and W. Burgard,
Towards Understanding Articulated Objects,

[C328] J. Sturm, V. Pradeep, C. Stachniss, C. Plagemann, K. Konolige and W. Burgard,
Learning Kinematic Models for Articulated Objects,
Proc. of the International Joint Conference on Artificial Intelligence (IJCAI), July 2009.

[C329] D. Meyer-Delius, J. Sturm and W. Burgard,
Regression-Based Online Situation Recognition for Vehicular Traffic Scenarios,

[C330] A. Schneider, J. Sturm, C. Stachniss, M. Reisert, H. Burkhardt and W. Burgard,
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[C331] F. Steinbruecker, T. Pock and D. Cremers,
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Braunschweig, Germany, 2009.

[C332] M. Schikora and B. Romba,
A Framework for Multiple Radar and Multiple 2D/3D Camera Fusion,
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[C333] M. Schikora,
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[C334] M. Schikora, M. Häge, E. Ruthotto and K. Wild,
A Convex Formulation for Color Image Segmentation in the Context of Passive Emitter Localization,
12th International Conference on Information Fusion (FUSION), Seattle, WA, USA, July 2009.

[C335] L. Spinello, A. Macho, R. Triebel and R. Siegwart,
Detecting Pedestrians at Very Small Scales,

[C336] L. Spinello, R. Triebel and R. Siegwart,
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Proc. of Field and Service Robotics (FSR), 2009.
[C337] D. Engel, L. Spinello, R. Triebel, C. Curio, R. Siegwart and H. Bülthoff, 
MEDIAL FEATURES FOR SUPERPIXEL SEGMENTATION, 

[C338] J. Stueckler and S. Behnke, 
INTEGRATING INDOOR MOBILITY, OBJECT MANIPULATION, AND INTUITIVE INTERACTION FOR DOMESTIC SERVICE TASKS, 
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[C339] J. Stueckler, M. Schreiber and S. Behnke, 
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[C340] T. Schoenemann, F. R. Schmidt and D. Cremers, 
IMAGE SEGMENTATION WITH ELASTIC SHAPE PRIORS VIA GLOBAL GEODESICS IN PRODUCT SPACES, 

[C341] T. Pock, T. Schoenemann, G. Graber, H. Bischof and D. Cremers, 
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[C342] A. Wedel, C. Rabe, T. Vaudrey, T. Brox, U. Franke and D. Cremers, 
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[C344] M. Klodt, T. Schoenemann, K. Kolev, M. Schikora and D. Cremers, 
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AN IMPROVED ALGORITHM FOR TV-L1 OPTICAL FLOW, 

[C346] W. Trobin, T. Pock, D. Cremers and H. Bischof, 
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[C350] T. Schoenemann and D. Cremers,
High Resolution Motion Layer Decomposition using Dual-space Graph Cuts,
Anchorage, Alaska, June 2008.

[C351] B. Rosenhahn, T. Brox, D. Cremers and H.-P. Seidel,
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[C352] O. Kleinschmidt, T. Brox and D. Cremers,
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Int. Workshop on Local and Nonlocal Approximation, Lausanne, Switzerland, August 2008.

[C353] C. Nieuwenhuis, R. Mester and C. Garbe,
A Statistical Confidence Measure for Optical Flows,
Marseille, France, 290-301, October 2008.

[C354] B. Andres, C. Nieuwenhuis, D. Kondermann, U. Köthe and R. Hamprecht,
On Errors-In-Variables Regression with Arbitrary Covariance and its Application to Optical Flow Estimation,
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[C355] C. Nieuwenhuis, D. Kondermann and C. Garbe,
Postprocessing of Optical Flows via Surface Measures and Motion Inpainting,

[C356] J. Sturm, C. Plagemann and W. Burgard,
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[C357] J. Sturm, C. Plagemann and W. Burgard,
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Robotics: Science and Systems Conference (RSS), Zurich, Switzerland, June 2008.

[C358] J. Sturm, C. Plagemann and W. Burgard,
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[C360] L. Spinello, R. Triebel and R. Siegwart,
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[C361] L. Spinello, R. Triebel and R. Siegwart,
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[C362] J. Stueckler, H. Schulz and S. Behnke,
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[C363] J. Stueckler and S. Behnke,
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*Proc. of the IEEE Int. Conf. on Robotics and Automation (ICRA)*, 1-6, May 2008.

[C364] S. Frintrop, M. Klodt and E. Rome,
A Real-time Visual Attention System Using Integral Images,
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[C365] S. May, M. Klodt, E. Rome and R. Breithaupt,
GPU-accelerated Affordance Cueing based on Visual Attention,

[C366] K. Kolev, M. Klodt, T. Brox and D. Cremers,
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[C368] T. Brox, B. Rosenhahn, D. Cremers and H.-P. Seidel,
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[C369] T. Schoenemann and D. Cremers,
Globally Optimal Image Segmentation with an Elastic Shape Prior,
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[C370] T. Schoenemann and D. Cremers,
Introducing Curvature into Globally Optimal Image Segmentation: Minimum Ratio Cycles on Product Graphs,
Rio de Janeiro, Brazil, October 2007.

[C371] F. R. Schmidt, Dirk Farin and D. Cremers,
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[C372] F. R. Schmidt, E. Toeppe, D. Cremers and Y. Boykov,
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[C373] A. Wedel and U. Franke,
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