Computer Vision Group Munich List of Publications

[J1] M. Strumia, F. R. Schmidt, C. Anastasopoulos, C. Granziera, G. Krueger and T. Brox, 
White Matter MS-Lesion Segmentation Using a Geometric Brain Model, 

[C1] N. Nagaraja, F. R. Schmidt and T. Brox, 
Video Segmentation with Just a Few Strokes, 
IEEE International Conference on Computer Vision (ICCV), Santiago, Chile, Dec 2015.

[C1] F. R. Schmidt, T. Windheuser, U. Schlickewei and D. Cremers, 
Dense Elastic 3D Shape Matching, 

Special Issue: Energy Optimization Methods, 
Springer 2013.

[C1] L. Gorelick, F. R. Schmidt and Y. Boykov, 
Fast Trust Region for Segmentation, 

[C1] F. R. Schmidt and Y. Boykov, 
Hausdorff Distance Constraint for Multi-Surface Segmentation, 

[C2] L. Gorelick, F. R. Schmidt, Y. Boykov, A. Delong and A. Ward, 
Segmentation with non-linear regional constraints via line-search cuts, 

[J1] T. Windheuser, U. Schlickewei, F. R. Schmidt and D. Cremers, 
Large-Scale Integer Linear Programming for Orientation-Preserving 3D Shape Matching, 

[B1] Y. Boykov, F. Kahl, V. Lempitsky and F. R. Schmidt (Editors), 
Energy Minimization Methods in Computer Vision and Pattern Recognition (EMMCVPR), 
Springer 2011.
[C1] 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.

[C2] F. R. Schmidt, H. Ackermann and B. Rosenhahn,
Multilinear Model Estimation with L2-Regularization,

[C3] A. Delong, L. Gorelick, F. R. Schmidt, O. Veksler and Y. Boykov,
Interactive Segmentation with Super-Labels,

[B1] D. Cremers, Y. Boykov, A. Blake and F. R. Schmidt (Editors),
Energy Minimization Methods for Computer Vision and Pattern Recognition (EMMCVPR),
Springer 2009.

Statistical and Geometrical Approaches to Visual Motion Analysis,
Springer 2009.

[C1] F. R. Schmidt and D. Cremers,
A Closed-Form Solution for Image Sequence Segmentation with Dynamical Shape Priors,
*Pattern Recognition (Proc. DAGM)*, Jena, Germany, September 2009.

[C2] F. R. Schmidt, E. Toeppe and D. Cremers,
Efficient Planar Graph Cuts with Applications in Computer Vision,
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, Miami, Florida, 351-356, June 2009, Received a CVPR Doctoral Spotlight Award.

[C1] T. Schoenemann, F. R. Schmidt and D. Cremers,
Image Segmentation with Elastic Shape Priors via Global Geodesics in Product Spaces,

[C2] D. Cremers, F. R. Schmidt and F. Barthel,
Shape Priors in Variational Image Segmentation: Convexity, Lipschitz Continuity and Globally Optimal Solutions,
[C1] F. R. Schmidt, Dirk Farin and D. Cremers,  
Fast Matching of Planar Shapes in Sub-cubic Runtime, 

[C2] F. R. Schmidt, E. Toeppe, D. Cremers and Y. Boykov,  
Intrinsic Mean for Semimetrical Shape Retrieval via Graph Cuts,  

[C3] F. R. Schmidt, E. Toeppe, D. Cremers and Y. Boykov,  
Efficient Shape Matching via Graph Cuts,  

[C1] F. R. Schmidt, M. Clausen and D. Cremers,  
Shape Matching by Variational Computation of Geodesics on a Manifold,  