

Journal Publications

- [J1] C. Nieuwenhuis, E. Toeppe and D. Cremers,
A Survey and Comparison of Discrete and Continuous Multi-label Optimization Approaches for the Potts Model,
International Journal of Computer Vision, 104(3): 223-240, September 2013.

Publications at Conferences and Workshops

- [C1] E. Toeppe, C. Nieuwenhuis and D. Cremers,
Volume Constraints for Single View Reconstruction,
Portland, USA, 2013.
- [C2] T. Möllenhoff, C. Nieuwenhuis, E. Toeppe and D. Cremers,
Efficient Convex Optimization for Minimal Partition Problems with Volume Constraints,
2013.
- [C3] M. R. Oswald, E. Toeppe and D. Cremers,
Fast and Globally Optimal Single View Reconstruction of Curved Objects,
Providence, Rhode Island, 534-541, June 2012.
- [C4] C. Nieuwenhuis, E. Toeppe and D. Cremers,
Space-Varying Color Distributions for Interactive Multiregion Segmentation: Discrete versus Continuous Approaches,
177-190, 2011.
- [C5] 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.), *Proceedings of the 2010 international conference on Video Processing and Computational Video*, Berlin, Heidelberg, Springer-Verlag, 104-123, 2011.
- [C6] 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,
Proceedings of the 2011 Conference on Innovations for Shape Analysis: Models and Algorithms, Springer-Verlag, 2011.
- [C7] E. Toeppe, M. R. Oswald, D. Cremers and C. Rother,
Image-based 3D Modeling via Cheeger Sets,
Queenstown, New Zealand, 53-64, November 2010, **Received Honorable Mention Award.**
- [C8] M. R. Oswald, E. Toeppe, K. Kolev and D. Cremers,
Non-Parametric Single View Reconstruction of Curved Objects using Convex Optimization,
Jena, Germany, 171-180, September 2009, **Received a DAGM Paper Award.**
- [C9] F. R. Schmidt, E. Toeppe and D. Cremers,
Efficient Planar Graph Cuts with Applications in Computer Vision,
Miami, Florida, 351-356, June 2009, **Received a CVPR Doctoral Spotlight Award.**

- [C10] F. R. Schmidt, E. Toeppe, D. Cremers and Y. Boykov,
Intrinsic Mean for Semimetric Shape Retrieval via Graph Cuts,
Heidelberg, Germany, Springer, , Vol. 4713, 446-455, September 2007.
- [C11] F. R. Schmidt, E. Toeppe, D. Cremers and Y. Boykov,
Efficient Shape Matching via Graph Cuts,
Ezhou, China, Springer, , Vol. 4679, 39-54, August 2007.

MastersThesis

- [M1] E. Toeppe,
Shape Matching mittels Graph Cuts,
University of Bonn, 2008, **Awarded Best Master Thesis of the Year (Bonn Society for Computer Science).**