Journal Articles

[J1] B. Goldluecke, M. Aubry, K. Kolev and D. Cremers,
A Super-resolution Framework for High-Accuracy Multiview Reconstruction,

[J2] E. Strekalovskiy, A. Chambolle and D. Cremers,
Convex Relaxation of Vectorial Problems with Coupled Regularization,

[J3] C. Nieuwenhuis and D. Cremers,
Spatially Varying Color Distributions for Interactive Multi-Label Segmentati-
on,

[J4] C. Nieuwenhuis, E. Toeppe and D. Cremers,
A Survey and Comparison of Discrete and Continuous Multi-label Optimization
Approaches for the Potts Model,

[J5] B. Goldluecke, E. Strekalovskiy and D. Cremers,
Tight Convex Relaxations for Vector-Valued Labeling,

[J6] A. Chambolle, D. Cremers and T. Pock,
A Convex Approach to Minimal Partitions,

[J7] D. Cremers,
Optimal Solutions for Semantic Image Decomposition,

[J8] B. Goldluecke, E. Strekalovskiy and D. Cremers,
The Natural Total Variation Which Arises from Geometric Measure Theory,

[J9] K. Kolev, T. Brox and D. Cremers,
Fast Joint Estimation of Silhouettes and Dense 3D Geometry from Multiple
Images,

[J10] D. Cremers and E. Strekalovskiy,
Total Cyclic Variation and Generalizations,

[J11] D. Cremers and K. Kolev,
Multiview Stereo and Silhouette Consistency via Convex Functionals over
Convex Domains,

[J12] T. Pock, D. Cremers, H. Bischof and A. Chambolle,
Global Solutions of Variational Models with Convex Regularization,
Keywords: Convex-relaxation

List of Publications

[J13] K. Kolev, M. Klodt, T. Brox and D. Cremers,
Continuous Global Optimization in Multiview 3D Reconstruction,

[J14] J. Keuchel, C. Schnörr, C. Schellewald and D. Cremers,
Binary partitioning, perceptual grouping, and restoration with semidefinite programming,

Book Chapters

[BC1] M. Klodt, F. Steinbruecker and D. Cremers,
Moment Constraints in Convex Optimization for Segmentation and Tracking,

[BC2] D. Cremers, T. Pock, K. Kolev and A. Chambolle,
Convex Relaxation Techniques for Segmentation, Stereo and Multiview Reconstruction,

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[C1] T. Möllenhoff and D. Cremers,
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[C2] T. Möllenhoff, E. Laude, M. Moeller, J. Lellmann and D. Cremers,
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[C3] E. Laude, T. Möllenhoff, M. Moeller, J. Lellmann and D. Cremers,
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[C4] N. Nagaraja, F. R. Schmidt and T. Brox,
Video Segmentation with Just a Few Strokes,
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[C5] M. R. Oswald and D. Cremers,
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[C6] C. Nieuwenhuis, S. Hawe, M. Kleinstueber and D. Cremers,
Co-Sparse Textural Similarity for Interactive Segmentation,
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[C7] M. R. Oswald, J. Stühmer and D. Cremers,
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[C8] E. Strekalovskiy and D. Cremers,
Real-Time Minimization of the Piecewise Smooth Mumford-Shah Functional,
Keywords: Convex-relaxation  

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[C9] E. Toeppe, C. Nieuwenhuis and D. Cremers,
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[C10] M. Souiai, E. Strekalovskiy, C. Nieuwenhuis and D. Cremers,
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[C11] F. Stangl, M. Souiai and D. Cremers,
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[C12] T. Mollenhoff, C. Nieuwenhuis, E. Toeppe and D. Cremers,
Efficient Convex Optimization for Minimal Partition Problems with Volume Constraints,

[C13] M. Klodt, J. Sturm and D. Cremers,
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[C15] C. Nieuwenhuis, E. Strekalovskiy and D. Cremers,
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<td>E. Strekalovskiy, A. Chambolle and D. Cremers</td>
<td>A Convex Representation for the Vectorial Mumford-Shah Functional</td>
<td>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</td>
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<td>C21</td>
<td>N. Ufer, M. Souiai and D. Cremers</td>
<td>Wehrli 2.0: An Algorithm for ”Tidying up Art”</td>
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<td>C23</td>
<td>B. Goldluecke and D. Cremers</td>
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<td>C25</td>
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<td>Generalized Ordering Constraints for Multilabel Optimization</td>
<td>IEEE International Conference on Computer Vision (ICCV)</td>
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<td>E. Toeppe, M. R. Oswald, D. Cremers and C. Rother</td>
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<td>B. Goldluecke and D. Cremers</td>
<td>Convex Relaxation for Multilabel Problems with Product Label Spaces</td>
<td>European Conference on Computer Vision (ECCV)</td>
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[C31] M. R. Oswald, E. Toeppe, K. Kolev and D. Cremers, 
Non-Parametric Single View Reconstruction of Curved Objects using Convex Optimization, 
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[C36] D. Cremers, F. R. Schmidt and F. Barthel, 
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[C39] J. Keuchel, C. Schnoerr, C. Schellewald and D. Cremers, 
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Convex Relaxations for Binary Image Partitioning and Perceptual Grouping, 
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Keywords: Convex-relaxation

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