

Journal Articles

- [J1] V. Golkov, A. Dosovitskiy, J. I. Sperl, M. I. Menzel, M. Czisch, P. Sämman, T. Brox and D. Cremers,
q-Space Deep Learning: Twelve-Fold Shorter and Model-Free Diffusion MRI Scans,
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- [J2] C. Nieuwenhuis and D. Cremers,
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- [J3] C. Nieuwenhuis, E. Toeppe and D. Cremers,
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- [J4] T. Schoenemann, F. Kahl, S. Masnou and D. Cremers,
A linear framework for region-based image segmentation and inpainting involving curvature penalization,
99: 53-68, August 2012.
- [J5] D. Cremers,
Optimal Solutions for Semantic Image Decomposition,
30(8): 476-477, 2012.

Book Chapters

- [BC1] M. Klodt, F. Steinbruecker and D. Cremers,
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Advanced Topics in Computer Vision, Springer, 2013.
- [BC2] D. Cremers,
Image Segmentation with Shape Priors: Explicit Versus Implicit Representations,
Handbook of Mathematical Methods in Imaging, Springer, 1453-1487, 2011.

Conference and Workshop Papers

- [C1] L. Ma, J. Stueckler, C. Kerl and D. Cremers,
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Vancouver, Canada, Sep 2017.
- [C2] V. Golyanik, K. Kim, R. Maier, M. Niessner, D. Stricker and J. Kautz,
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- [C3] V. Golkov, T. Sprenger, J. I. Sperl, M. I. Menzel, M. Czisch, P. Sämman and D. Cremers, **Model-Free Novelty-Based Diffusion MRI**, Prague, Czech Republic, April 2016.
- [C4] L. Ma, C. Kerl, J. Stueckler and D. Cremers, **CPA-SLAM: Consistent Plane-Model Alignment for Direct RGB-D SLAM**, May 2016.
- [C5] J. Diebold, N. Demmel, C. Hazirbas, M. Möller and D. Cremers, **Interactive Multi-label Segmentation of RGB-D Images**, 2015.
- [C6] C. Hazirbas, J. Diebold and D. Cremers, **Optimizing the Relevance-Redundancy Tradeoff for Efficient Semantic Segmentation**, 2015.
- [C7] J. Stühmer and D. Cremers, **A Fast Projection Method for Connectivity Constraints in Image Segmentation**, X.-C. Tai, E. Bae, T. F. Chan and M. Lysaker(Eds.), , 2015.
- [C8] P.A. Gomez, T. Sprenger, A.A. Lopez, J.I. Sperl, B. Fernandez, M. Molina-Romero, X. Liu, V. Golkov, M. Czisch, P. Saemann, M.I. Menzel and B.H. Menze, **Using Diffusion and Structural MRI for the Automated Segmentation of Multiple Sclerosis Lesions**, 2015.
- [C9] V. Golkov, A. Dosovitskiy, P. Sämman, J. I. Sperl, T. Sprenger, M. Czisch, M. I. Menzel, P. A. Gomez, A. Haase, T. Brox and D. Cremers, **q-Space Deep Learning for Twelve-Fold Shorter and Model-Free Diffusion MRI Scans**, Munich, Germany, October 2015.
- [C10] M. Jaimez, M. Souiai, J. Stueckler, J. Gonzalez-Jimenez and D. Cremers, **Motion Cooperation: Smooth Piece-Wise Rigid Scene Flow from RGB-D Images**, *Proc. of the Int. Conference on 3D Vision (3DV)*, October 2015.
- [C11] M. Souiai, M. R. Oswald, Y. Kee, J. Kim, M. Pollefeys and D. Cremers, **Entropy Minimization for Convex Relaxation Approaches**, Santiago, Chile, 2015.
- [C12] N. Nagaraja, F. R. Schmidt and T. Brox, **Video Segmentation with Just a Few Strokes**, Santiago, Chile, Dec 2015.
- [C13] M. Strobel, J. Diebold and D. Cremers, **Flow and Color Inpainting for Video Completion**, *German Conference on Pattern Recognition (GCPR)*, Münster, Germany, September 2014, **Oral Presentation**.
- [C14] C. Nieuwenhuis, S. Hawe, M. Kleinsteuber and D. Cremers, **Co-Sparse Textural Similarity for Interactive Segmentation**, 2014.

- [C15] M. Souiai, C. Nieuwenhuis, E. Strekalovskiy and D. Cremers,
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- [C16] J. Bergbauer, C. Nieuwenhuis, M. Souiai and D. Cremers,
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- [C17] E. Toeppe, C. Nieuwenhuis and D. Cremers,
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- [C18] J. Lellmann, E. Strekalovskiy, S. Koetter and D. Cremers,
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- [C21] L. Gorelick, F. R. Schmidt and Y. Boykov,
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- [C22] E. Strekalovskiy, C. Nieuwenhuis and D. Cremers,
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- [C23] N. Ufer, M. Souiai and D. Cremers,
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- [C24] F. R. Schmidt and Y. Boykov,
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- [C25] L. Gorelick, F. R. Schmidt, Y. Boykov, A. Delong and A. Ward,
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- [C34] T. Kohlberger, D. Cremers, M. Rousson and R. Ramaraj,
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- [C35] S. Manay, D. Cremers, A. J. Yezzi and S. Soatto,
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- [C37] D. Cremers and C. Schnörr,
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MastersThesis

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