Journal Articles

[J1] T. Brox, B. Rosenhahn, J. Gall and D. Cremers,  
Combined region- and motion-based 3D tracking of rigid and articulated objects,  

[J2] D. Cremers,  
Nonlinear Dynamical Shape Priors for Level Set Segmentation,  

[J3] D. Cremers, M. Rousson and R. Deriche,  
A review of statistical approaches to level set segmentation: integrating color, texture, motion and shape,  

[J4] D. Cremers,  
Dynamical statistical shape priors for level set based tracking,  

[J5] D. Cremers, T. Kohlberger and C. Schnörr,  
Shape Statistics in Kernel Space for Variational Image Segmentation,  

[J6] D. Cremers, F. Tischhäuser, J. Weickert and C. Schnörr,  
Diffusion Snakes: Introducing statistical shape knowledge into the Mumford–Shah functional,  

Book Chapters

[BC1] D. Cremers and M. Rousson,  
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[C1] J. Stühmer and D. Cremers,  
A Fast Projection Method for Connectivity Constraints in Image Segmentation,  

[C2] J. Stühmer, P. Schröder and D. Cremers,  
Tree Shape Priors with Connectivity Constraints using Convex Relaxation on General Graphs,  
*IEEE International Conference on Computer Vision (ICCV)*, Sydney, Australia, December 2013, Oral Presentation.
Keywords: Shape-priors

List of Publications

[C3] 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.

[C4] D. Cremers, F. R. Schmidt and F. Barthel,
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[C5] T. Schoenemann and D. Cremers,
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[C6] D. Cremers,
Nonlinear Dynamical Shape Priors for Level Set Segmentation,

[C7] T. Brox, A. Bruhn, N. Papenberg and J. Weickert,
High accuracy optical flow estimation based on a theory for warping,

[C8] D. Cremers, S. J. Osher and S. Soatto,
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[C9] D. Cremers, N. Sochen and C. Schnörr,
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[C10] D. Cremers and S. Soatto,
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[C11] D. Cremers, N. Sochen and C. Schnörr,
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[C12] D. Cremers, T. Kohlberger and C. Schnörr,
Nonlinear shape statistics in Mumford–Shah based segmentation,
[C13] D. Cremers, C. Schnörr, J. Weickert and C. Schellewald,
Learning of translation invariant shape knowledge for steering diffusion snakes,

[C14] D. Cremers, C. Schnörr, J. Weickert and C. Schellewald,
*Diffusion Snakes using statistical shape knowledge*,