[C1] T. Windheuser and D. Cremers,
A Convex Solution to Spatially-Regularized Correspondence Problems,
European Conference on Computer Vision (ECCV), October 2016.

[C1] A. Dosovitskiy, P. Fischer, E. Ilg, P. Husser, C. Hazirbas, V. Golkov, P. van der Smagt, D. Cremers and T. Brox,
FlowNet: Learning Optical Flow with Convolutional Networks,
IEEE International Conference on Computer Vision (ICCV), December 2015.

[J1] E. Strekalovskiy, A. Chambolle and D. Cremers,
Convex Relaxation of Vectorial Problems with Coupled Regularization,

[J1] B. Goldluecke, E. Strekalovskiy and D. Cremers,
The Natural Total Variation Which Arises from Geometric Measure Theory,

[J1] A. Wedel, T. Brox, T. Vaudrey, C. Rabe, U. Franke and D. Cremers,
Stereoscopic Scene Flow Computation for 3D Motion Understanding,

[J2] A. Sellent, M. Eisemann, B. Goldluecke, D. Cremers and M. Magnor,
Motion Field Estimation from Alternate Exposure Images,

[C1] E. Strekalovskiy, B. Goldluecke and D. Cremers,
Tight Convex Relaxations for Vector-Valued Labeling Problems,
IEEE International Conference on Computer Vision (ICCV), 2011.

[C1] C. Nieuwenhuis, D. Kondermann and C. Garbe,
Complex Motion Models for Simple Optical Flow Estimation,

[C2] C. Nieuwenhuis, B. Berkels, M. Rumpf and D. Cremers,
Interactive Motion Segmentation,
Optical Flow Estimation

List of Publications


**Adaptive structure tensors and their applications,**

[BC2] J. Weickert, A. Bruhn, T. Brox and N. Papenberg,
**A survey on variational optic flow methods for small displacements,**

[C1] T. Brox, A. Bruhn and J. Weickert,
**Variational motion segmentation with level sets,**

[J1] D. Cremers and S. Soatto,
**Motion Competition: A variational framework for piecewise parametric motion segmentation,**

[C1] T. Brox, A. Bruhn, N. Papenberg and J. Weickert,
**High accuracy optical flow estimation based on a theory for warping,**

[J1] D. Cremers and C. Schnörr,
**Statistical shape knowledge in variational motion segmentation,**

[C1] D. Cremers and S. Soatto,
**Variational space-time motion segmentation,**

[C2] D. Cremers and A. L. Yuille,
**A generative model based approach to motion segmentation,**
[C1] T. Brox and J. Weickert,
Nonlinear matrix diffusion for optic flow estimation,

[C2] D. Cremers and C. Schnörr,
Statistical shape knowledge in variational motion segmentation,
A. Pece, Y. N. Wu and R. Larsen(Eds.), 1st Internat. Workshop on Generative-Model-Based Vision, Copenhagen, Univ. of Copenhagen, June, 2 2002.