Marker-less Motion Capture

List of Publications

[C1] J. Stühmer, S. Nowozin, A. Fitzgibbon, R. Szeliski, T. Perry, S. Acharya, D. Cremers and J. Shotton,
Model-Based Tracking at 300Hz using Raw Time-of-Flight Observations,
IEEE International Conference on Computer Vision (ICCV), Santiago, Chile, 2015.

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

[C1] B. Rosenhahn, C. Schmaltz, T. Brox, J. Weickert, D. Cremers and H.-P. Seidel,
Markerless Motion Capture of Man-Machine Interaction,

[C2] B. Rosenhahn, T. Brox, D. Cremers and H.-P. Seidel,
Modeling and Tracking Line-Constrained Mechanical Systems,

[J1] B. Rosenhahn, T. Brox and J. Weickert,
Three-dimensional shape knowledge for joint image segmentation and pose tracking,

[BC1] T. Brox, B. Rosenhahn and D. Cremers,
Contours, optic flow, and prior knowledge: cues for capturing 3D human motion in videos,

[C1] T. Brox, B. Rosenhahn, D. Cremers and H.-P. Seidel,
Nonparametric density estimation with adaptive anisotropic kernels for human motion tracking,

Occlusion Modeling by Tracking Multiple Objects,

[C3] B. Rosenhahn, T. Brox, D. Cremers and H.-P. Seidel,
Online smoothing for markerless motion capture,
[C4] B. Rosenhahn, T. Brox and H.-P. Seidel, 
Scaled motion dynamics for markerless motion capture, 

[C5] C. Schmaltz, B. Rosenhahn, T. Brox, D. Cremers, J. Weickert, L. Wietzke and G. Sommer, 
Region-based Pose Tracking, 

[C1] T. Brox, B. Rosenhahn, U. Kersting and D. Cremers, 
Nonparametric density estimation for human pose tracking, 

[C2] T. Brox, B. Rosenhahn, D. Cremers and H.-P. Seidel, 
High accuracy optical flow serves 3-D pose tracking: exploiting contour and flow based constraints, 