Journal Articles


Conference and Workshop Papers


The TUM VI Benchmark for Evaluating Visual-Inertial Odometry,


[C12] X. Gao, R. Wang, N. Demmel and D. Cremers,

LDSO: Direct Sparse Odometry with Loop Closure,


[C13] D. Schubert, N. Demmel, V. Usenko, J. Stueckler and D. Cremers,

Direct Sparse Odometry With Rolling Shutter,

European Conference on Computer Vision (ECCV), September 2018, Oral Presentation.

[C14] V. Usenko, N. Demmel and D. Cremers,

The Double Sphere Camera Model,


[C15] J. Diebold, N. Demmel, C. Hazirbas, M. Möller and D. Cremers,

Interactive Multi-label Segmentation of RGB-D Images,

Scale Space and Variational Methods in Computer Vision (SSVM), June 2015.

[C16] L. Mösenlechner, N. Demmel and M. Beetz,

Becoming action-aware through reasoning about logged plan execution traces,