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List of Publications

Journal Articles

[J1] J. Engel, J. Sturm and D. Cremers,

Scale-Aware Navigation of a Low-Cost Quadrocopter with a Monocular Camera,

Conference and Workshop Papers

[C1] T. Naseer, J. Sturm and D. Cremers,

FollowMe: Person Following and Gesture Recognition with a Quadrocopter,

[C2] J. Sturm, E. Bylow, F. Kahl and D. Cremers,

Dense Tracking and Mapping with a Quadrocopter,
Unmanned Aerial Vehicle in Geomatics (UAV-g), Rostock, Germany, September 2013.

[C3] D. Bender, M. Schikora, J. Sturm and D. Cremers,

Graph-based bundle adjustment for INS-camera calibration,
Unmanned Aerial Vehicle in Geomatics (UAV-g), Rostock, Germany, September 2013, Best research paper award.

[C4] J. Engel, J. Sturm and D. Cremers,

Camera-Based Navigation of a Low-Cost Quadrocopter,

[C5] J. Engel, J. Sturm and D. Cremers,

Accurate Figure Flying with a Quadrocopter Using Onboard Visual and Inertial Sensing,

MastersThesis

[M1] C. Kerl,

Odometry from RGB-D Cameras for Autonomous Quadrocopters,
Technical University Munich, Germany, Nov. 2012.

[M2] J. Engel,

Autonomous Camera-Based Navigation of a Quadrocopter,
Technical University Munich, Germany, Dec. 2011, Distinguished with the SIEMENS award for best Master’s Thesis 2012.