Keywords: Quadrocopter  

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.