

## Journal Articles

- [J1] J. Engel, J. Sturm and D. Cremers,  
**Scale-Aware Navigation of a Low-Cost Quadcopter with a Monocular Camera,**  
*Robotics and Autonomous Systems (RAS)*, 62(11): 1646-1656, 2014.

## Conference and Workshop Papers

- [C1] T. Naseer, J. Sturm and D. Cremers,  
**FollowMe: Person Following and Gesture Recognition with a Quadcopter,**  
*Proc. of the Int. Conf. on Intelligent Robot Systems (IROS)*, 2013.
- [C2] J. Sturm, E. Bylow, F. Kahl and D. Cremers,  
**Dense Tracking and Mapping with a Quadcopter,**  
*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 Quadcopter,**  
*Proc. of the International Conference on Intelligent Robot Systems (IROS)*, Oct. 2012.
- [C5] J. Engel, J. Sturm and D. Cremers,  
**Accurate Figure Flying with a Quadcopter Using Onboard Visual and Inertial Sensing,**  
*Proc. of the Workshop on Visual Control of Mobile Robots (ViCoMoR) at the IEEE/RJS International Conference on Intelligent Robot Systems (IROS)*, Oct. 2012.

## MastersThesis

- [M1] C. Kerl,  
**Odometry from RGB-D Cameras for Autonomous Quadcopters,**  
Technical University Munich, Germany, Nov. 2012.
- [M2] J. Engel,  
**Autonomous Camera-Based Navigation of a Quadcopter,**  
Technical University Munich, Germany, Dec. 2011, **Distinguished with the SIEMENS award for best Master's Thesis 2012.**