

## Journal Articles

## Conference and Workshop Papers

- [C1] F. Endres, J. Hess, N. Engelhard, J. Sturm, D. Cremers and W. Burgard,  
**An Evaluation of the RGB-D SLAM System,**  
St. Paul, MA, USA, May 2012.
- [C2] Dominik Joho AND Gian Diego Tipaldi AND Nikolas Engelhard AND Cyrill Stachniss  
AND Wolfram Burgard,  
**Nonparametric Bayesian Models for Unsupervised Scene Analysis and Recon-  
struction,**  
*Proceedings of Robotics: Science and Systems*, Sydney, Australia, July 2012.
- [C3] J. Sturm, N. Engelhard, F. Endres, W. Burgard and D. Cremers,  
**A Benchmark for the Evaluation of RGB-D SLAM Systems,**  
*Proc. of the International Conference on Intelligent Robot Systems (IROS)*, Oct. 2012.
- [C4] N. Engelhard, F. Endres, J. Hess, J. Sturm and W. Burgard,  
**Real-time 3D visual SLAM with a hand-held camera,**  
*Proc. of the RGB-D Workshop on 3D Perception in Robotics at the European Robotics  
Forum*, Vasteras, Sweden, April 2011.
- [C5] J. Sturm, S. Magnenat, N. Engelhard, F. Pomerleau, F. Colas, W. Burgard, D. Cremers  
and R. Siegwart,  
**Towards a benchmark for RGB-D SLAM evaluation,**  
*Proc. of the RGB-D Workshop on Advanced Reasoning with Depth Cameras at Robotics:  
Science and Systems Conf. (RSS)*, Los Angeles, USA, June 2011.
- [C6] R. Kaestner, N. Engelhard, R. Triebel and R. Siegwart,  
**A Bayesian Approach to Learning 3D Representations of Dynamic Environ-  
ments,**  
*Proc. of The 12th International Symposium on Experimental Robotics (ISER)*, Berlin,  
Springer Press, 2010.