

- [C1] C. Kerl, J. Sturm and D. Cremers,  
**Robust Odometry Estimation for RGB-D Cameras,**  
*International Conference on Robotics and Automation (ICRA)*, May 2013, **Best Vision Paper Award - Finalist.**
- [C2] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers,  
**Real-Time Camera Tracking and 3D Reconstruction Using Signed Distance Functions,**  
*Robotics: Science and Systems Conference (RSS)*, June 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. Sturm, E. Bylow, F. Kahl and D. Cremers,  
**CopyMe3D: Scanning and Printing Persons in 3D,**  
*German Conference on Pattern Recognition (GCPR)*, Saarbrücken, Germany, September 2013.
- [C1] F. Endres, J. Hess, N. Engelhard, J. Sturm, D. Cremers and W. Burgard,  
**An Evaluation of the RGB-D SLAM System,**  
*International Conference on Robotics and Automation (ICRA)*, St. Paul, MA, USA, May 2012.
- [C2] 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.
- [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.
- [PhD1] J. Sturm,  
**Approaches to Probabilistic Model Learning for Mobile Manipulation Robots,**  
University of Freiburg, Germany, May 2011, **Received the Artificial Intelligence Dissertation Award 2011 (ECCAI) and the Wolfgang-Genter-Award 2011 (University of Freiburg); Finalist at the Georges-Giralt-Award 2012 (EURON); Selected for the Best Paper Track at IJCAI 2013.**
- [C1] J. Sturm, V. Pradeep, C. Stachniss, C. Plagemann, K. Konolige and W. Burgard,  
**Learning Kinematic Models for Articulated Objects,**  
*Proc. of the International Joint Conference on Artificial Intelligence (IJCAI)*, July 2009.
- [C1] J. Sturm, C. Plagemann and W. Burgard,  
**Adaptive Body Scheme Models for Robust Robotic Manipulation,**  
*Robotics: Science and Systems Conference (RSS)*, Zurich, Switzerland, June 2008.