
Conference and Workshop Papers

- [C1] C. Kerl, J. Sturm and D. Cremers,
Robust Odometry Estimation for RGB-D Cameras,
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.
- [C5] 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.
- [C6] 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.
- [C7] 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.
- [C8] 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.
- [C9] 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.

PhDThesis

- [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.**