

- [C1] M. Jaimez, C. Kerl, J. Gonzalez-Jimenez and D. Cremers,  
**Fast Odometry and Scene Flow from RGB-D Cameras based on Geometric Clustering,**  
*Proc. of the IEEE Int. Conf. on Robotics and Automation (ICRA)*, 2017.
- [C2] M. Jaimez, T. J. Cashman, A. Fitzgibbon, J. Gonzalez-Jimenez and D. Cremers,  
**An Efficient Background Term for 3D Reconstruction and Tracking with Smooth Subdivision Surface Models,**  
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2017.
- [C1] M. Jaimez, J. G. Monroy and J. Gonzalez-Jimenez,  
**Planar Odometry from a Radial Laser Scanner. A Range Flow-based Approach,**  
*Proc. of the IEEE Int. Conf. on Robotics and Automation (ICRA)*, 4479-4485, 2016.
- [J1] M. Jaimez and J. Gonzalez-Jimenez,  
**Fast Visual Odometry for 3-D Range Sensors,**  
*IEEE Transactions on Robotics*, 31(4): 809-822, 2015.
- [J2] M. Jaimez, J. L. Blanco Claraco and J. Gonzalez-Jimenez,  
**Efficient Reactive Navigation with Exact Collision Determination for 3D Robot Shapes,**  
*International Journal of Advanced Robotic Systems*, 12(63): 2015.
- [C1] M. Jaimez, M. Souiai, J. Gonzalez-Jimenez and D. Cremers,  
**A Primal-Dual Framework for Real-Time Dense RGB-D Scene Flow,**  
*Proc. of the IEEE Int. Conf. on Robotics and Automation (ICRA)*, 2015.
- [C2] M. Jaimez, M. Souiai, J. Stueckler, J. Gonzalez-Jimenez and D. Cremers,  
**Motion Cooperation: Smooth Piece-Wise Rigid Scene Flow from RGB-D Images,**  
*Proc. of the Int. Conference on 3D Vision (3DV)*, October 2015.