I published most of my work at top international conferences in robotics and computer vision such as the IEEE Conference on Computer Vision and Pattern Recognition (CVPR), the International Conference on Computer Vision (ICCV), the European Conference on Computer Vision (ECCV), or the International Conference on Robotics and Automation (ICRA). Due to acceptance rates as low as 25%, publications at top computer vision conferences are considered an outstanding achievement comparable to publications in top journals in the field.

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- S Weiss, M W Achtelik, S Lynen, M C Achtelik, **L Kneip**, M Chli, and R Siegwart. Monocular vision for long-term micro aerial vehicle state estimation: A compendium. *Journal of Field Robotics (JFR)*, 30(5):803–831, 2013
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- Y Zhou, **L Kneip**, and H Li. Semi-dense Visual Odometry for RGB-D Cameras using Approximate Nearest Neighbour Fields. In *Proceedings of the IEEE International Conference on Robotics and Automation (ICRA)*, Singapore, May 2017

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- G Long, **L Kneip**, J M Alvarez, H Li, X Zhang, and Q Yu. Learning Image Matching by Simply Watching Video. In *Proceedings of the European Conference on Computer Vision (ECCV)*, Amsterdam, Netherlands, October 2016b
- Y Zhou, **L Kneip**, C Rodriguez, and H Li. Divide and conquer: Efficient density-based tracking of 3d sensors in manhattan worlds. In *Proceedings of the Asian Conference on Computer Vision (ACCV)*, Taipei, Taiwan, November 2016b
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- H Zhang, X He, F Porikli, and **L Kneip**. Semantic context and depth-aware object proposal generation. In *Proceedings of the IEEE International Conference on Image Processing (ICIP)*, Phoenix, USA, September 2016

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