Keywords: Rgb-d

List of Publications

Journal Articles


Conference and Workshop Papers


Keywords: Rgb-d

**List of Publications**

[C7] R. Maier, R. Schaller and D. Cremers,
Efficient Online Surface Correction for Real-time Large-Scale 3D Reconstruction,

[C8] V. Golyanik, K. Kim, R. Maier, M. Niessner, D. Stricker and J. Kautz,
Multiframe Scene Flow with Piecewise Rigid Motion,
*International Conference on 3D Vision (3DV)*, Qingdao, China, October 2017, *Spotlight Presentation*.

[C9] R. Maier, K. Kim, D. Cremers, J. Kautz and M. Niessner,
Intrinsic3D: High-Quality 3D Reconstruction by Joint Appearance and Geometry Optimization with Spatially-Varying Lighting,

[C10] S. Peng, B. Haefner, Y. Queau and D. Cremers,
Depth Super-Resolution Meets Uncalibrated Photometric Stereo,
*International Conference on Computer Vision Workshops (ICCVW)*, 2017, *Oral Presentation at ICCV Workshop on Color and Photometry in Computer Vision*.

[C11] L. Ma, C. Kerl, J. Stueckler and D. Cremers,
CPA-SLAM: Consistent Plane-Model Alignment for Direct RGB-D SLAM,

[C12] M. Jaimez, M. Souiai, J. Gonzalez-Jimenez and D. Cremers,
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[C14] M. Jaimez, M. Souiai, J. Stueckler, J. Gonzalez-Jimenez and D. Cremers,
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[C18] J. Engel, T. Schöps and D. Cremers,
LSD-SLAM: Large-Scale Direct Monocular SLAM,
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[C19] T. Schöps, J. Engel and D. Cremers,
Semi-Dense Visual Odometry for AR on a Smartphone,

[C20] R. Maier, J. Sturm and D. Cremers,
Submap-based Bundle Adjustment for 3D Reconstruction from RGB-D Data,
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[C21] C. Kerl, M. Souiai, J. Sturm and D. Cremers,
Towards Illumination-invariant 3D Reconstruction using ToF RGB-D Cameras,

[C22] C. Kerl, J. Sturm and D. Cremers,
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[C23] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers,
Real-Time Camera Tracking and 3D Reconstruction Using Signed Distance Functions,

[C24] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers,
Direct Camera Pose Tracking and Mapping With Signed Distance Functions,
*Demo Track of the RGB-D Workshop on Advanced Reasoning with Depth Cameras at the Robotics: Science and Systems Conference (RSS)*, June 2013.

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[C27] M. Klodt, J. Sturm and D. Cremers,
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*Semi-Dense Visual Odometry for a Monocular Camera*,  
*IEEE International Conference on Computer Vision (ICCV)*, Sydney, Australia, December 2013.

[C31] F. Steinbruecker, C. Kerl, J. Sturm and D. Cremers,  
*Large-Scale Multi-Resolution Surface Reconstruction from RGB-D Sequences*,  
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[C32] F. Endres, J. Hess, N. Engelhard, J. Sturm, D. Cremers and W. Burgard,  
*An Evaluation of the RGB-D SLAM System*,  

[C33] L. Zhang, J. Sturm, D. Cremers and D. Lee,  
*Real-Time Human Motion Tracking using Multiple Depth Cameras*,  

[C34] J. Sturm, N. Engelhard, F. Endres, W. Burgard and D. Cremers,  
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*Towards a benchmark for RGB-D SLAM evaluation*,  

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*Parallel Generalized Thresholding Scheme for Live Dense Geometry from a Handheld Camera*,  
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