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2020.

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[C19] A. Vasilev, V. Golkov, M. Meissner, I. Lipp, E. Sgarlata, V. Tomassini, D. K. Jones and D. Cremers,  
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[C24] T. Möllenhoff and D. Cremers,  
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[C25] T. Frerix and J. Bruna,  
Approximating Orthogonal Matrices with Effective Givens Factorization,  
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[C49] M. Sundermeyer, Z. Marton, M. Durner, M. Brucker and R. Triebel,
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[C51] I. Grixa, P. Schulz, W. Stürzl and R. Triebel,
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*Modular Vehicle Control for Transferring Semantic Information Between Weather Conditions Using GANs*,
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*Fusion of Head and Full-Body Detectors for Multi-Object Tracking*,

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Vancouver, Canada, Sep 2017.

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From Monocular SLAM to Autonomous Drone Exploration,  
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Establishment of an interdisciplinary workflow of machine learning-based Radiomics in sarcoma patients,  

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Learning Proximal Operators: Using Denoising Networks for Regularizing Inverse Imaging Problems,
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Honolulu, USA, 2017.

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Better Text Understanding Through Image-To-Text Transfer,

[C75] P. Haeusser, T. Frerix, A. Mordvintsev and D. Cremers,
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Efficient Deformable Shape Correspondence via Kernel Matching,
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Selecting CNN Features for Online Learning of 3D Objects,

[C81] Christian Nissler, Zoltan-Csaba Marton, Hannes Kisner, Ulrike Thomas and Rudolph Triebel,
A Method for Hand-Eye and Camera-to-Camera Calibration for Limited Fields of View,
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How Robots Learn to Classify New Objects Trained from Small Data Sets, 
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[C92] V. Golkov, T. Sprenger, J. I. Sperl, M. I. Menzel, M. Czisch, P. Sämann and D. Cremers, 
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[C105] D. Klostermann, A. Osep, J. Stueckler and B. Leibe, 
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A Large Dataset to Train Convolutional Networks for Disparity, Optical Flow, and Scene Flow Estimation,

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Scaling the world of monocular SLAM with INS-measurements for UAS navigation,

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[C115] A. Kanezaki, E. Rodola and T. Harada,
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*20 - Robotics Symposia (RS)*, Karuizawa, Japan, March 2015.

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*Proc. of the IEEE Int. Conf. on Robotics and Automation (ICRA)*, 2015.

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*X.-C. Tai, E. Bae, T. F. Chan and M. Lysaker(Eds.),*, 2015.

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**Analysis of Surface Parametrizations for Modern Photometric Stereo Modeling**,  
*International Conference on Quality Control by Artificial Vision (QCAV)*, 2015.

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**Adopting an Unconstrained Ray Model in Light-field Cameras for 3D Shape Reconstruction**,  
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**Active Online Confidence Boosting for Efficient Object Classification**,  

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[C123] M.I. Menzel, T. Sprenger, E.T. Tan, V. Golkov, C.J. Hardy, L. Marinelli and J.I. Sperl,  
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**FlowNet: Learning Optical Flow with Convolutional Networks**,  
December 2015.

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[C128] D. Holz, A. Topalidou-Kyniazopoulou, J. Stueckler and S. Behnke,

Real-Time Object Detection, Localization and Verification for Fast Robotic Depalletizing,
2015.

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Semi-supervised Online Learning for Efficient Classification of Objects in 3D Data Streams,
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[C133] M. Jaimez, M. Souiai, J. Stueckler, J. Gonzalez-Jimenez and D. Cremers,

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[C134] E. Rodola, M. Moeller and D. Cremers,

Point-wise Map Recovery and Refinement from Functional Correspondence,
Aachen, Germany, 2015, Received the Best Paper Award.

[C135] C. Kerl, J. Stueckler and D. Cremers,

Dense Continuous-Time Tracking and Mapping with Rolling Shutter RGB-D Cameras,
Santiago, Chile, 2015.

[C136] M. Souiai, M. R. Oswald, Y. Kee, J. Kim, M. Pollefeys and D. Cremers,

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Santiago, Chile, 2015.

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CAPTCHA Recognition with Active Deep Learning,
GCPR Workshop on New Challenges in Neural Computation, Aachen, Germany, 2015.

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Model-Based Tracking at 300Hz using Raw Time-of-Flight Observations,
Santiago, Chile, 2015.

Novel Acquisition Scheme for Diffusion Kurtosis Imaging Based on Compressed-Sensing Accelerated DSI Yielding Superior Image Quality,
2014.

Total Variation-Regularized Compressed Sensing Reconstruction for Multi-Shell Diffusion Kurtosis Imaging,
2014.

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[C143] V. Golkov, M.I. Menzel, T. Sprenger, A. Haase, D. Cremers and J.I. Sperl,
Semi-Joint Reconstruction for Diffusion MRI Denoising Imposing Similarity of Edges in Similar Diffusion-Weighted Images,
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2014.

[C145] D. Weikersdorfer, D. B. Adrian, D. Cremers and J. Conrad,
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2014.

[C146] F. Steinbruecker, J. Sturm and D. Cremers,
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Hongkong, China, 2014.

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Sequential Convex Relaxation for Mutual-Information-Based Unsupervised Figure-Ground Segmentation,
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[C149] H. Alvarez, L.M. Paz, J. Sturm and D. Cremers,
Collision Avoidance for Quadrotors with a Monocular Camera,

[C150] J. Engel, T. Schöps and D. Cremers,
LSD-SLAM: Large-Scale Direct Monocular SLAM,
September 2014, Oral Presentation.
[C151] T. Schöps, J. Engel and D. Cremers,
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[C152] T. Windheuser, M. Vestner, E. Rodola, R. Triebel and D. Cremers,
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[C154] R. Maier, J. Sturm and D. Cremers,
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*German Conference on Pattern Recognition (GCPR)*, Münster, Germany, September 2014.

[C155] T. Gurdan, M. R. Oswald, D. Gurdan and D. Cremers,
Spatial and Temporal Interpolation of Multi-View Image Sequences,
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