Journal Articles

[J1] Hugo Grimmett, Rudolph Triebel, Rohan Paul and Ingmar Posner,
Introspective classification for robot perception,

[J2] L. Spinello, R. Triebel and R. Siegwart,
Multiclass Multimodal Detection and Tracking in Urban Environments,

Monte Carlo localization in outdoor terrains using multilevel surface maps,

Supervised semantic labeling of places using information extracted from sensor data,

[J5] P. Pfaff, R. Triebel and W. Burgard,
An Efficient Extension to Elevation Maps for Outdoor Terrain Mapping and Loop Closing,

[J6] H. Andreasson, R. Triebel and A. Lilienthal,
Non-iterative Vision-based Interpolation of 3D Laser Scans,

Conference and Workshop Papers

[C1] M. Sundermeyer, Z. Marton, M. Durner, M. Brucker and R. Triebel,
Implicit 3D Orientation Learning for 6D Object Detection from RGB Images,
September 2018, Best Paper Award.

[C2] M. Denninger and R. Triebel,
Persistent Anytime Learning of Objects from Unseen Classes,

[C3] I. Grixa, P. Schulz, W. Stürzl and R. Triebel,
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[C4] I. Chiotellis, F. Zimmermann, D. Cremers and R. Triebel,
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[C5] C. Nissler, M. Durner, Z.-C. Marton and R. Triebel,
Simultaneous Calibration and Mapping,
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<td>Tick Son Wang, Zoltan-Csaba Marton, Manuel Brucker and Rudolph Triebel</td>
<td>How Robots Learn to Classify New Objects Trained from Small Data Sets,</td>
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<td>Non-Rigid 3D Shape Retrieval via Large Margin Nearest Neighbor Embedding,</td>
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<td>Y. Tao, R. Triebel and D. Cremers</td>
<td>Semi-supervised Online Learning for Efficient Classification of Objects in 3D Data Streams,</td>
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[C18] S. Debnath, S. S. Baishya, R. Triebel, V. Dutt and D. Cremers,
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