Dr. Nico Blodow  

List of Publications


RoboSherlock: Unstructured Information Processing Framework for Robotic Perception, 
Busoniu, Lucian, Tamás and Levente(Eds.), Handling Uncertainty and Networked Structure in Robot Control, 181-208, 2015.

[C1] Michael Beetz, Ferenc Balint-Benczedi, Nico Blodow, Daniel Nyga, Thiemo Wiedemeyer and Zoltan-Csaba Marton, 

RoboSherlock: Unstructured Information Processing for Robot Perception, 

[J1] Marton, Zoltan-Csaba, Balint-Benczedi, Ferenc, Mozos, Oscar Martinez, Blodow, Nico, Kanezaki, Asako, Goron, Lucian Cosmin, Pangercic, Dejan, Beetz and Michael, 

Part-Based Geometric Categorization and Object Reconstruction in Cluttered Table-Top Scenes, 

[PhD1] Nico Blodow, 

Managing Belief States for Service Robots - Dynamic Scene Perception and Spatio-temporal Memory, 
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[J1] Michael Beetz, Dominik Jain, Lorenz Mösenlechner, Moritz Tenorth, Lars Kunze, Nico Blodow and Dejan Pangercic, 

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[J1] Zoltan Csaba Marton, Dejan Pangercic, Nico Blodow and Michael Beetz, 

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[C1] Nico Blodow, Zoltan-Csaba Marton, Dejan Pangercic, Thomas Rühr, Moritz Tenorth and Michael Beetz,
*Inferring Generalized Pick-and-Place Tasks from Pointing Gestures*,

[C2] Nico Blodow, Lucian Cosmin Goron, Zoltan-Csaba Marton, Dejan Pangercic, Thomas Rühr, Moritz Tenorth and Michael Beetz,
*Autonomous Semantic Mapping for Robots Performing Everyday Manipulation Tasks in Kitchen Environments*,

[C3] Zoltan-Csaba Marton, Nico Blodow and Michael Beetz,
*Advantages of Spatial-temporal Object Maps for Service Robotics*,
IEEE Workshop on Advanced Robotics and its Social Impacts (ARSO), Half-Moon Bay, CA, USA, October 2-4 2011.

[C4] Aitor Aldoma, Markus Vince, Nico Blodow, David Gossow, Suat Gedikli, Radu Bogdan Rusu and Gary R. Bradski,
*CAD-model recognition and 6DOF pose estimation using 3D cues*,

[C1] Nico Blodow, Zoltan-Csaba Marton, Dejan Pangercic and Michael Beetz,
*Making Sense of 3D Data*,

[C2] Zoltan-Csaba Marton, Dejan Pangercic, Nico Blodow, Jonathan Kleinehellefort and Michael Beetz,
*General 3D Modelling of Novel Objects from a Single View*,

[C3] Nico Blodow, Dominik Jain, Zoltan-Csaba Marton and Michael Beetz,
*Perception and Probabilistic Anchoring for Dynamic World State Logging*,

[C1] Radu Bogdan Rusu, Zoltan Csaba Marton, Nico Blodow, Andreas Holzbach and Michael Beetz,
*Model-based and Learned Semantic Object Labeling in 3D Point Cloud Maps of Kitchen Environments*,

[C2] Radu Bogdan Rusu, Nico Blodow, Zoltan Csaba Marton and Michael Beetz,
*Close-range Scene Segmentation and Reconstruction of 3D Point Cloud Maps for Mobile Manipulation in Human Environments*,
[C3] Radu Bogdan Rusu, Andreas Holzbach, Nico Blodow and Michael Beetz,  
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[C1] Zoltan Csaba Marton, Nico Blodow, Mihai Dolha, Moritz Tenorth, Radu Bogdan Rusu and Michael Beetz,  
Autonomous Mapping of Kitchen Environments and Applications,  

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Interpretation of Urban Scenes based on Geometric Features,  

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Persistent Point Feature Histograms for 3D Point Clouds,

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Functional Object Mapping of Kitchen Environments,

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