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List of Publications


[C5] Christian Bersch, Dejan Pangercic, Sarah Osentoski, Karol Hausman, Zoltan-Csaba Marton, Ryohei Ueda, Kei Okada and Michael Beetz,  
*Segmentation of Textured and Textureless Objects through Interactive Perception*,  

[C6] Dejan Pangercic, Moritz Tenorth, Benjamin Pitzer and Michael Beetz,  
*Semantic Object Maps for Robotic Housework - Representation, Acquisition and Use*,  

*The SHERPA project: smart collaboration between humans and ground-aerial robots for improving rescuing activities in alpine environments*,  
*IEEE International Symposium on Safety, Security, and Rescue Robotics (SSRR)*, College Station, Texas, USA, Nov. 5-8 2012.

[C8] Vladyslav Usenko, Florian Seidel, Zoltan-Csaba Marton and Dejan Pangercic Michael Beetz,  
*Furniture Classification using WWW CAD Models*,  
*IROS12 Workshop on Active Semantic Perception (ASP12)*, Vilamoura, Portugal, October 7 2012.

[J1] Moritz Tenorth, Ulrich Klank, Dejan Pangercic and Michael Beetz,  
*Web-enabled Robots – Robots that Use the Web as an Information Resource*,  

[J2] Zoltan Csaba Marton, Dejan Pangercic, Nico Blodow and Michael Beetz,  
*Combined 2D-3D Categorization and Classification for Multimodal Perception Systems*,  

[C1] Michael Beetz, Ulrich Klank, Alexis Maldonado, Dejan Pangercic and Thomas Rühr,  
*Robotic Roommates Making Pancakes - Look Into Perception-Manipulation Loop*,  

[C2] Nico Blodow, Zoltan-Csaba Marton, Dejan Pangercic, Thomas Rühr, Moritz Tenorth and Michael Beetz,  
*Inferring Generalized Pick-and-Place Tasks from Pointing Gestures*,  
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[C3] 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**, 

[C4] Shulei Zhu, Dejan Pangercic and Michael Beetz, 
**Contracting Curve Density Algorithm for Applications in Personal Robotics**, 

[C5] Michael Beetz, Ulrich Klank, Ingo Kresse, Alexis Maldonado, Lorenz Mösenlechner, Dejan Pangercic, Thomas Rühr and Moritz Tenorth, 
**Robotic Roommates Making Pancakes**, 

[C6] Dejan Pangercic, Vladimir Haltakov and Michael Beetz, 
**Fast and Robust Object Detection in Household Environments Using Vocabulary Trees with SIFT Descriptors**, 

[C7] Asako Kanezaki, Zoltan-Csaba Marton, Dejan Pangercic, Tatsuya Harada, Yasuo Kuniyoshi and Michael Beetz, 
**Voxelized Shape and Color Histograms for RGB-D**, 

[C8] Zoltan-Csaba Marton, Dejan Pangercic and Michael Beetz, 
**Efficient Surface and Feature Estimation in RGBD**, 

[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] Dejan Pangercic, Moritz Tenorth, Dominik Jain and Michael Beetz, 
**Combining Perception and Knowledge Processing for Everyday Manipulation**, 
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[C4] Zoltan-Csaba Marton, Dejan Pangeric, Radu Bogdan Rusu, Andreas Holzbach and Michael Beetz,
Hierarchical Object Geometric Categorization and Appearance Classification for Mobile Manipulation,

[C1] Ulrich Klank, Dejan Pangeric, Radu Bogdan Rusu and Michael Beetz,
Real-time CAD Model Matching for Mobile Manipulation and Grasping,

[C2] Christoph Ertelt, Thomas Rühr, Dejan Pangeric, Kristina Shea and Michael Beetz,
Integration of Perception, Global Planning and Local Planning in the Manufacturing Domain,

[C3] Florian Friesdorf, Dejan Pangeric, Heiner Bubb and Michael Beetz,
Mutually Augmented Cognition,
Proceedings of the International Conference on Social Robotics (ICSR), 2009.

[C4] Dejan Pangeric, Rok Tavcar, Moritz Tenorth and Michael Beetz,
Visual Scene Detection and Interpretation using Encyclopedic Knowledge and Formal Description Logic,
Proceedings of the International Conference on Advanced Robotics (ICAR), Munich, Germany, June 22 - 26 2009.

[C5] Andreas Leha, Dejan Pangeric, Thomas Rühr and Michael Beetz,
Optimization of Simulated Production Process Performance using Machine Learning,

[C6] Michael Beetz, Nico Blodow, Ulrich Klank, Zoltan Csaba Marton, Dejan Pangeric and Radu Bogdan Rusu,
CoP-Man – Perception for Mobile Pick-and-Place in Human Living Environments,

[C1] Thomas Rühr, Dejan Pangeric and Michael Beetz,
Structured Reactive Controllers and Transformational Planning for Manufacturing,

[C2] Dejan Pangeric, Radu Bogdan Rusu and Michael Beetz,
3D-Based Monocular SLAM for Mobile Agents Navigating in Indoor Environments,