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List of Publications

[J1] Zoltan-Csaba Marton, Florian Seidel, Ferenc Balint-Benczedi and Michael Beetz,
**Ensembles of Strong Learners for Multi-cue Classification,**
*Pattern Recognition Letters (PRL), Special Issue on Scene Understandings and Behaviours Analysis,* 2012.

[C1] Karol Hausman, Christian Bersch, Dejan Pangercic, Sarah Osentoski, Zoltan-Csaba Marton and Michael Beetz,
**Segmentation of Cluttered Scenes through Interactive Perception,**

[C2] Ross Kidson, Darko Stanimirovic, Dejan Pangercic and Michael Beetz,
**Elaborative Evaluation of RGB-D based Point Cloud Registration for Personal Robots,**

[C3] Thomas Rühr, Jürgen Sturm, Dejan Pangercic, Michael Beetz and Daniel Cremers,
**A Generalized Framework for Opening Doors and Drawers in Kitchen Environments,**

[C4] Michael Beetz, Moritz Tenorth, Dejan Pangercic and Benjamin Pitzer,
**Semantic Object Maps for Household Tasks,**

[C5] Ferenc Balint-Benczedi, Zoltan-Csaba Marton and Michael Beetz,
**Efficient Part-Graph Hashes for Object Categorization,**
*5th International Conference on Cognitive Systems (CogSys),* 2012.

[C6] Zoltan-Csaba Marton, Ferenc Balint-Benczedi, Florian Seidel, Lucian Cosmin Goron and Michael Beetz,
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[C7] Christian Bersch, Dejan Pangercic, Sarah Osentoski, Karol Hausman, Zoltan-Csaba Marton, Ryohei Ueda, Kei Okada and Michael Beetz,
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[C9] Lucian Cosmin Goron, Zoltan Csaba Marton, Gheorghe Lazea and Michael Beetz, 
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[C10] Zoltan-Csaba Marton, Florian Seidel and Michael Beetz, 
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a satellite event of the 22nd International Conference on Artificial Neural Networks (ICANN), Lausanne, Switzerland, 2012.

[C11] L. Marconi, C. Melchiorri, M. Beetz, D. Pangeric, R. Siegwart, S. Leutenegger, R. Carloni, 
S. Stramigioli, H. Bruyninckx, P. Doherty, A. Kleiner, V. Lippiello, A. Finzi, B. Siciliano, 
A. Sala and N. Tomatis, 
The SHERPA project: smart collaboration between humans and ground-aerial robots for improving rescuing activities in alpine environments, 
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[C12] Vladyslav Usenko, Florian Seidel, Zoltan-Csaba Marton and Dejan Pangeric Michael Beetz, 
Furniture Classification using WWW CAD Models, 
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[J1] Oscar Martinez Mozos, Zoltan Csaba Marton and Michael Beetz, 
Furniture Models Learned from the WWW – Using Web Catalogs to Locate and Categorize Unknown Furniture Pieces in 3D Laser Scans, 

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

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

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

[C3] Nico Blodow, Lucian Cosmin Goron, Zoltan-Csaba Marton, Dejan Pangeric, Thomas Rühr, Moritz Tenorth and Michael Beetz, 
Autonomous Semantic Mapping for Robots Performing Everyday Manipulation Tasks in Kitchen Environments, 
[C4] Zoltan-Csaba Marton, Nico Blodow and Michael Beetz, 
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CA, USA, October 2-4 2011.

[C5] Shulei Zhu, Dejan Pangercic and Michael Beetz, 
Contracting Curve Density Algorithm for Applications in Personal Robotics, 
*11th IEEE-RAS International Conference on Humanoid Robots*, Bled, Slovenia, October, 
26-28 2011.

[C6] Michael Beetz, Ulrich Klank, Ingo Kresse, Alexis Maldonado, Lorenz Mösenlechner, Dejan 
Pangercic, Thomas Rühr and Moritz Tenorth, 
Robotic Roommates Making Pancakes, 
*11th IEEE-RAS International Conference on Humanoid Robots*, Bled, Slovenia, October, 
26-28 2011.

[C7] Manabu Saito, Haseru Chen, Kei Okada, Masayuki Inaba, Lars Kunze and Michael Beetz, 
Semantic Object Search in Large-scale Indoor Environments, 
*IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Workshop on Active Semantic Perception and Object Search in the Real World*, San Francisco, CA, 
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[C8] Asako Kanezaki, Zoltan-Csaba Marton, Dejan Pangercic, Tatsuya Harada, Yasuo Kuniyoshi 
and Michael Beetz, 
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USA, September, 25-30 2011.

[C9] Zoltan-Csaba Marton, Dejan Pangercic and Michael Beetz, 
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[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, 
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[C3] Zoltan-Csaba Marton, Dejan Pangercic, Radu Bogdan Rusu, Andreas Holzbach and Michael 
Beetz, 
Hierarchical Object Geometric Categorization and Appearance Classification for Mobile Manipulation, 
*Proceedings of the IEEE-RAS International Conference on Humanoid Robots*, Nashville, 
TN, USA, December 6-8 2010.
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[C4] Nico Blodow, Dominik Jain, Zoltan-Csaba Marton and Michael Beetz,
Perception and Probabilistic Anchoring for Dynamic World State Logging,

[C5] Moritz Tenorth, Lars Kunze, Dominik Jain and Michael Beetz,
KNOWROB-MAP – Knowledge-Linked Semantic Object Maps,

[C6] Lucian Cosmin Goron, Zoltan Csaba Marton, Gheorghe Lazea and Michael Beetz,
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[J1] Radu Bogdan Rusu, Aravind Sundaresan, Benoit Morisset, Kris Hauser, Motilal Agrawal, Jean-Claude Latombe and Michael Beetz,
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[C1] Ulrich Klank, Dejan Pangercic, Radu Bogdan Rusu and Michael Beetz,
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[C2] Zoltan Csaba Marton, Radu Bogdan Rusu, Dominik Jain, Ulrich Klank and Michael Beetz,
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[C4] 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,
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[C13] Radu Bogdan Rusu, Andreas Holzbach, Gary Bradski and Michael Beetz, Detecting and Segmenting Objects for Mobile Manipulation, Proceedings of IEEE Workshop on Search in 3D and Video (S3DV), held in conjunction with the 12th IEEE International Conference on Computer Vision (ICCV), Kyoto, Japan, September 27 2009.

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