[C1] Ulrich Klank, Lorenz Mösenlechner, Alexis Maldonado and Michael Beetz, 
Robots that Validate Learned Perceptual Models, 
*IEEE International Conference on Robotics and Automation (ICRA)*, St. Paul, MN, USA, 
May 14–18 2012.

[C2] Ferenc Balint-Benczedi, Zoltan-Csaba Marton and Michael Beetz, 
Efficient Part-Graph Hashes for Object Categorization, 

[C3] Zoltan-Csaba Marton, Ferenc Balint-Benczedi, Nico Blodow, Lucian Cosmin Goron and 
Michael Beetz, 
Object Categorization in Clutter using Additive Features and Hashing of Part-
graph Descriptors, 
*Proceedings of Spatial Cognition (SC)*, Abbey Kloster Seeon, Germany, 2012.

[C4] Lucian Cosmin Goron, Zoltan Csaba Marton, Gheorghe Lazea and Michael Beetz, 
Segmenting Cylindrical and Box-like Objects in Cluttered 3D Scenes, 
*7th German Conference on Robotics (ROBOTIK)*, Munich, Germany, May 2012.

[C5] Zoltan-Csaba Marton, Florian Seidel and Michael Beetz, 
Towards Modular Spatio-temporal Perception for Task-adapting Robots, 
*Postgraduate Conference on Robotics and Development of Cognition (RobotDoC-PhD)*, a satellite event of the 22nd International Conference on Artificial Neural Networks (ICANN), Lausanne, Switzerland, 2012.

[PhD1] Ulrich Klank, 
Everyday Perception for Mobile Manipulation in Human Environments, 
Technische Universität München, 2012.

[J1] Oscar Martínez 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 Pangercic, Nico Blodow and Michael Beetz, 
Combined 2D-3D Categorization and Classification for Multimodal Perception Systems, 

[C1] Ulrich Klank, Daniel Carton and Michael Beetz, 
Transparent Object Detection and Reconstruction on a Mobile Platform, 
*IEEE International Conference on Robotics and Automation (ICRA)*, Shanghai, China, 
May, 9–13 2011.

[C2] Michael Beetz, Ulrich Klank, Alexis Maldonado, Dejan Pangercic and Thomas Rühr, 
Robotic Roommates Making Pancakes - Look Into Perception-Manipulation Loop, 
[C3] Shulei Zhu, Dejan Pangercic and Michael Beetz,
Contracting Curve Density Algorithm for Applications in Personal Robotics,

[C4] Michael Beetz, Ulrich Klank, Ingo Kresse, Alexis Maldonado, Lorenz Mösenlechner, Dejan Pangercic, Thomas Rühr and Moritz Tenorth,
Robotic Roommates Making Pancakes,

[C5] Ingo Kresse, Ulrich Klank and Michael Beetz,
Multimodal Autonomous Tool Analyses and Appropriate Application,

[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,

[C9] William R. Murray and Dominik Jain,
Modeling Cognitive Frames for Situations with Markov Logic Networks,

[BC1] Nicolai v. Hoyningen-Huene and Michael Beetz,
Importance Sampling as One Solution to the Data Association Problem in Multi-target Tracking,
[C1] Zoltan-Csaba Marton, Dejan Pangercic, Nico Blodow, Jonathan Kleinehellefort and Michael Beetz,
*General 3D Modelling of Novel Objects from a Single View,*

[C2] Dejan Pangercic, Moritz Tenorth, Dominik Jain and Michael Beetz,
*Combining Perception and Knowledge Processing for Everyday Manipulation,*

[C3] Zoltan-Csaba Marton, Dejan Pangercic, Radu Bogdan Rusu, Andreas Holzbach and Michael Beetz,
*Hierarchical Object Geometric Categorization and Appearance Classification for Mobile Manipulation,*

[C4] Nico Blodow, Dominik Jain, Zoltan-Csaba Marton and Michael Beetz,
*Perception and Probabilistic Anchoring for Dynamic World State Logging,*

[C5] Lucian Cosmin Goron, Zoltan Csaba Marton, Gheorghe Lazea and Michael Beetz,
*Automatic Layered 3D Reconstruction of Simplified Object Models for Grasping,*
Joint 41st International Symposium on Robotics (ISR) and 6th German Conference on Robotics (ROBOTIK), Munich, Germany, 2010.

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

[C2] Dejan Pangercic, 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.

[C3] Ulrich Klank, Muhammad Zeeshan Zia and Michael Beetz,
*3D Model Selection from an Internet Database for Robotic Vision,*

[C4] Muhammad Zeeshan Zia, Ulrich Klank and Michael Beetz,
*Acquisition of a Dense 3D Model Database for Robotic Vision,*
International Conference on Advanced Robotics (ICAR), 2009.

[C5] Li Sun, Ulrich Klank and Michael Beetz,
*EYEWATCHME - 3D Hand and object tracking for inside out activity analysis,*
C6. Zoltan Csaba Marton, Lucian Cosmin Goron, Radu Bogdan Rusu and Michael Beetz,  
*Reconstruction and Verification of 3D Object Models for Grasping*,  
*Proceedings of the 14th International Symposium on Robotics Research (ISRR09)*, Lucerne,  
Switzerland, August 31 – September 3 2009.

C7. 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.

C8. Nico Blodow, Radu Bogdan Rusu, Zoltan Csaba Marton and Michael Beetz,  
*Partial View Modeling and Validation in 3D Laser Scans for Grasping*,  
9th IEEE-RAS International Conference on Humanoid Robots (Humanoids), Paris, France,  
December 7-10 2009.

C9. Radu Bogdan Rusu, Andreas Holzbach, Rosen Diankov, Gary Bradski and Michael Beetz,  
*Perception for Mobile Manipulation and Grasping using Active Stereo*,  
9th IEEE-RAS International Conference on Humanoid Robots (Humanoids), Paris, France,  
December 7-10 2009.

C10. Michael Beetz, Nico Blodow, Ulrich Klank, Zoltan Csaba Marton, Dejan Pangercic and  
Radu Bogdan Rusu,  
*CoP-Man – Perception for Mobile Pick-and-Place in Human Living Environments*,  
*Proceedings of the 22nd IEEE/RSJ International Conference on Intelligent Robots and  
Systems (IROS) Workshop on Semantic Perception for Mobile Manipulation*, St. Louis,  
MO, USA, October 11-15 2009.

J1. Ulrich Klank, N. Padoy, H. Feussner and N. Navab,  
*Automatic feature generation in endoscopic images*,  

C1. Radu Bogdan Rusu, Zoltan Csaba Marton, Nico Blodow and Michael Beetz,  
*Persistent Point Feature Histograms for 3D Point Clouds*,  
*Proceedings of the 10th International Conference on Intelligent Autonomous Systems (IAS-  

C2. Dejan Pangercic, Radu Bogdan Rusu and Michael Beetz,  
*3D-Based Monocular SLAM for Mobile Agents Navigating in Indoor Environments*,  
*Proceedings of the 13th IEEE International Conference on Emerging Technologies and  
Factory Automation (ETFA)*, Hamburg, Germany, September 15-18, 2008.

C3. Matthias Wimmer, Shinya Fujie, Freek Stulp, Tetsunori Kobayashi and Bernd Radig,  
*An ASM Fitting Method Based on Machine Learning that Provides a Robust Parameter Initialization for AAM Fitting*,  
*Proc. of the International Conference on Automatic Face and Gesture Recognition (FGR08)*, Amsterdam, Netherlands, September 2008.
[PhD1] Armin Müller,
Transformational Planning for Autonomous Household Robots using Libraries of Robust and Flexible Plans,
Technische Universität München, 2008.

[C1] Armin Müller and Michael Beetz,
Towards a Plan Library for Household Robots,

[C2] Radu Bogdan Rusu, Nico Blodow, Zoltan-Csaba Marton, Alina Soos and Michael Beetz,
Towards 3D Object Maps for Autonomous Household Robots,

[J1] Robert Hanek and Michael Beetz,
The Contracting Curve Density Algorithm: Fitting Parametric Curve Models to Images Using Local Self-adapting Separation Criteria,