Computer Vision Group Munich

List of Publications

[C1] Lorenz Mösenlechner and Michael Beetz,
Fast Temporal Projection Using Accurate Physics-Based Geometric Reasoning,

[J1] Michael Beetz, Dominik Jain, Lorenz Mösenlechner, Moritz Tenorth, Lars Kunze, Nico Blodow and Dejan Pangercic,
Cognition-Enabled Autonomous Robot Control for the Realization of Home Chore Task Intelligence,
Proceedings of the IEEE, Special Issue on Quality of Life Technology, 100(8): 2454-2471, 2012.

[J2] Freek Stulp, Andreas Fedrizzi, Lorenz Mösenlechner and Michael Beetz,
Learning and Reasoning with Action-Related Places for Robust Mobile Manipulation,

[C1] Ulrich Klank, Lorenz Mösenlechner, Alexis Maldonado and Michael Beetz,
Robots that Validate Learned Perceptual Models,

[C2] Michael Beetz, Lorenz Mösenlechner, Moritz Tenorth and Thomas Rühr,
CRAM – a Cognitive Robot Abstract Machine,

[C1] Lorenz Mösenlechner and Michael Beetz,
Parameterizing Actions to have the Appropriate Effects,

[C2] Michael Beetz, Ulrich Klank, Ingo Kresse, Alexis Maldonado, Lorenz Mösenlechner, Dejan Pangercic, Thomas Rühr and Moritz Tenorth,
Robotic Roommates Making Pancakes,

[J1] Michael Beetz, Dominik Jain, Lorenz Mösenlechner and Moritz Tenorth,
Towards Performing Everyday Manipulation Activities,
[C1] Michael Beetz, Lorenz Mösenlechner and Moritz Tenorth,
CRAM – A Cognitive Robot Abstract Machine for Everyday Manipulation in Human Environments,

[C2] Lorenz Mösenlechner, Nikolaus Demmel and Michael Beetz,
Becoming Action-aware through Reasoning about Logged Plan Execution Traces,

[C3] Séverin Lemaignan, Raquel Ros, Lorenz Mösenlechner, Rachid Alami and Michael Beetz,
ORO, a knowledge management module for cognitive architectures in robotics,

[C1] Andreas Fedrizzi, Lorenz Moesenlechner, Freek Stulp and Michael Beetz,
Transformational Planning for Mobile Manipulation based on Action-related Places,

[C2] Dominik Jain, Lorenz Mösenlechner and Michael Beetz,
Equipping Robot Control Programs with First-Order Probabilistic Reasoning Capabilities,

[C3] Lorenz Mösenlechner and Michael Beetz,
Using Physics- and Sensor-based Simulation for High-fidelity Temporal Projection of Realistic Robot Behavior,
19th International Conference on Automated Planning and Scheduling (ICAPS’09)., 2009.

[C4] Alexandra Kirsch, Thibault Kruse and Lorenz Mösenlechner,
An Integrated Planning and Learning Framework for Human-Robot Interaction,
4th Workshop on Planning and Plan Execution for Real-World Systems (held in conjunction with ICAPS 09), 2009.

[C1] Michael Beetz, Freek Stulp, Bernd Radig, Jan Bandouch, Nico Blodow, Mihai Dolha, Andreas Fedrizzi, Dominik Jain, Uli Klank, Ingo Kresse, Alexis Maldonado, Zoltan Marton, Lorenz Mösenlechner, Federico Ruiz, Radu Bogdan Rusu and Moritz Tenorth,
The Assistive Kitchen – A Demonstration Scenario for Cognitive Technical Systems,
IEEE 17th International Symposium on Robot and Human Interactive Communication (RO-MAN), Muenchen, Germany, 1-8, 2008.

[C2] Dominik Jain, Lorenz Mösenlechner and Michael Beetz,
Equipping Robot Control Programs with First-Order Probabilistic Reasoning Capabilities,
Lorenz Mösenlechner, Armin Müller and Michael Beetz,
High Performance Execution of Everyday Pick-and-Place Tasks by Integrating Transformation Planning and Reactive Execution,

Björn Schuller, Matthias Wimmer, Lorenz Mösenlechner, Christian Kern and Gerhard Rigoll,
Brute-Forcing Hierarchical Functionals for Paralinguistics: a Waste of Feature Space?,

Radu Bogdan Rusu, Alexis Maldonado, Michael Beetz, Matthias Kranz, Lorenz Mösenlechner, Paul Holleis and Albrecht Schmidt,
Player/Stage as Middleware for Ubiquitous Computing,