Cogito: Plan-based Control of Robotic Agents

List of Publications

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

[C2] Ingo Kresse and Michael Beetz,
Movement-aware Action Control – Integrating Symbolic and Control-theoretic Action Execution,

[C3] 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,

[J2] Michael Beetz, Martin Buss and Bernd Radig,
Learning from Humans – Cognition-enabled Computational Models of Everyday Activity,
Künstliche Intelligenz, 2010.

[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,
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[C2] Alexandra Kirsch and Michael Beetz,
Training on the Job — Collecting Experience with Hierarchical Hybrid Automata,

[C3] Armin Müller, Alexandra Kirsch and Michael Beetz,
Transformational Planning for Everyday Activity,

[C4] Armin Müller and Michael Beetz,
Towards a Plan Library for Household Robots,

[C1] Alexandra Kirsch and Michael Beetz,
Combining Learning and Programming for High-Performance Robot Controllers,

[C2] Alexandra Kirsch,
Towards High-performance Robot Plans with Grounded Action Models: Integrating Learning Mechanisms into Robot Control Languages,

[C3] Alexandra Kirsch, Michael Schweitzer and Michael Beetz,
Making Robot Learning Controllable: A Case Study in Robot Navigation,

[C1] Michael Beetz, Alexandra Kirsch and Armin Müller,
RPL-LEARN: Extending an Autonomous Robot Control Language to Perform Experience-based Learning,

[C2] Armin Müller, Alexandra Kirsch and Michael Beetz,
Object-oriented Model-based Extensions of Robot Control Languages,
27th German Conference on Artificial Intelligence, 2004.