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, 
*IEEE International Conference on Robotics and Automation (ICRA)*, St. Paul, MN, USA, 
May 14–18 2012.

[C2] Ingo Kresse and Michael Beetz, 
Movement-aware Action Control – Integrating Symbolic and Control-theoretic 
Action Execution, 
*IEEE International Conference on Robotics and Automation (ICRA)*, St. Paul, MN, USA, 
May 14–18 2012.

[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, 
*IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, San Francisco, CA, USA, 

[C2] 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.

[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, 

[C1] Michael Beetz, Lorenz Mösenlechner and Moritz Tenorth, 
CRAM – A Cognitive Robot Abstract Machine for Everyday Manipulation in 
Human Environments, 
*IEEE/RSJ International Conference on Intelligent Robots and Systems*, Taipei, Taiwan, 
1012-1017, October 18-22 2010.

[C2] Lorenz Mösenlechner, Nikolaus Demmel and Michael Beetz, 
Becoming Action-aware through Reasoning about Logged Plan Execution Traces, 
*IEEE/RSJ International Conference on Intelligent RObots and Systems*, Taipei, Taiwan, 
2231-2236, October 18-22 2010.
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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, 

[C3] Alexandra Kirsch, Michael Schweitzer and Michael Beetz, 

[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, 