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 Every-
day Activity,
Künstliche Intelligenz, 2010.

[C1] Michael Beetz, Lorenz Mösenlechner and Moritz Tenorth,
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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,
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ces,
IEEE/RSJ International Conference on Intelligent RObots and Systems., Taipei, Taiwan,
2231-2236, October 18-22 2010.
Cogito: Plan-based Control of Robotic Agents

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[J1] Alexandra Kirsch,
Robot Learning Language – Integrating Programming and Learning for Cognitive Systems,

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

[C2] Lorenz Mosenlechner 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.

[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 Mosenlechner, 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] Lorenz Mosenlechner, Armin Muller and Michael Beetz,
High Performance Execution of Everyday Pick-and-Place Tasks by Integrating Transformation Planning and Reactive Execution,

[PhD1] Alexandra Kirsch,
Integration of Programming and Learning in a Control Language for Autonomous Robots Performing Everyday Activities,
Technische Universitat Muenchen, 2008.

[PhD2] Armin Muller,
Transformational Planning for Autonomous Household Robots using Libraries of Robust and Flexible Plans,
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[C1] Michael Beetz, Jan Bandouch, Alexandra Kirsch, Alexis Maldonado, Armin Muller and Radu Bogdan Rusu,
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[C2] Alexandra Kirsch and Michael Beetz,  
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[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,  
**Making Robot Learning Controllable: A Case Study in Robot Navigation**,  

[C1] Michael Beetz, Alexandra Kirsch and Armin Müller,  
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[C2] Armin Müller, Alexandra Kirsch and Michael Beetz,  
**Object-oriented Model-based Extensions of Robot Control Languages**,  
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