

- [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,
5th International Conference on Cognitive Systems (CogSys 2012), 2012.
- [C1] Lorenz Mösenlechner and Michael Beetz,
Parameterizing Actions to have the Appropriate Effects,
IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), San Fran-
cisco, CA, USA, September 25–30 2011.
- [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,
Robotics and Autonomous Systems, 58(9): 1085-1095, 2010.
- [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,
**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 Tra-
ces,**
IEEE/RSJ International Conference on Intelligent Robots and Systems., Taipei, Taiwan,
2231-2236, October 18-22 2010.

- [J1] Alexandra Kirsch,
Robot Learning Language – Integrating Programming and Learning for Cognitive Systems,
Robotics and Autonomous Systems Journal, 57(9): 943-954, 2009.
- [C1] Andreas Fedrizzi, Lorenz Moesenlechner, Freek Stulp and Michael Beetz,
Transformational Planning for Mobile Manipulation based on Action-related Places,
Proceedings of the International Conference on Advanced Robotics (ICAR)., 1-8, 2009.
- [C2] 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.
- [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] Lorenz Mösenlechner, Armin Müller and Michael Beetz,
High Performance Execution of Everyday Pick-and-Place Tasks by Integrating Transformation Planning and Reactive Execution,
Proceedings of the 1st International Workshop on Cognition for Technical Systems, München, Germany, 6-8 October, 2008.
- [PhD1] Alexandra Kirsch,
Integration of Programming and Learning in a Control Language for Autonomous Robots Performing Everyday Activities,
Technische Universität München, 2008.
- [PhD2] Armin Müller,
Transformational Planning for Autonomous Household Robots using Libraries of Robust and Flexible Plans,
Technische Universität München, 2008.
- [C1] Michael Beetz, Jan Bandouch, Alexandra Kirsch, Alexis Maldonado, Armin Müller and Radu Bogdan Rusu,
The Assistive Kitchen — A Demonstration Scenario for Cognitive Technical Systems,
Proceedings of the 4th COE Workshop on Human Adaptive Mechatronics (HAM), 2007.

- [C2] Alexandra Kirsch and Michael Beetz,
Training on the Job — Collecting Experience with Hierarchical Hybrid Automata,
J. Hertzberg, M. Beetz and R. Englert (Eds.), *Proceedings of the 30th German Conference on Artificial Intelligence (KI-2007)*, 473-476, 2007.
- [C3] Armin Müller, Alexandra Kirsch and Michael Beetz,
Transformational Planning for Everyday Activity,
Proceedings of the 17th International Conference on Automated Planning and Scheduling (ICAPS'07), Providence, USA, 248-255, September 2007.
- [C4] Armin Müller and Michael Beetz,
Towards a Plan Library for Household Robots,
Proceedings of the ICAPS'07 Workshop on Planning and Plan Execution for Real-World Systems: Principles and Practices for Planning in Execution, Providence, USA, September 2007.
- [C1] Alexandra Kirsch and Michael Beetz,
Combining Learning and Programming for High-Performance Robot Controllers,
Tagungsband Autonome Mobile Systeme 2005, Springer Verlag, Reihe Informatik aktuell, 2005.
- [C2] Alexandra Kirsch,
Towards High-performance Robot Plans with Grounded Action Models: Integrating Learning Mechanisms into Robot Control Languages,
ICAPS Doctoral Consortium, 2005.
- [C3] Alexandra Kirsch, Michael Schweitzer and Michael Beetz,
Making Robot Learning Controllable: A Case Study in Robot Navigation,
Proceedings of the ICAPS Workshop on Plan Execution: A Reality Check, 2005.
- [C1] Michael Beetz, Alexandra Kirsch and Armin Müller,
RPL-LEARN: Extending an Autonomous Robot Control Language to Perform Experience-based Learning,
3rd International Joint Conference on Autonomous Agents & Multi Agent Systems (AAMAS), 2004.
- [C2] Armin Müller, Alexandra Kirsch and Michael Beetz,
Object-oriented Model-based Extensions of Robot Control Languages,
27th German Conference on Artificial Intelligence, 2004.