CogMan: Cognitive manipulation

List of Publications

[C1] Thomas Rühr, Jürgen Sturm, Dejan Pangercic, Michael Beetz and Daniel Cremers,
A Generalized Framework for Opening Doors and Drawers in Kitchen Environments,
*IEEE International Conference on Robotics and Automation (ICRA)*, St. Paul, MN, USA,
May 14–18 2012.

[C2] Moritz Tenorth, Alexander Clifford Perzylo, Reinhard Lafrenz and Michael Beetz,
The RoboEarth language: Representing and Exchanging Knowledge about Actions, Objects, and Environments,
*IEEE International Conference on Robotics and Automation (ICRA)*, St. Paul, MN, USA,
May 14–18 2012.

[C3] 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.

[C4] Alexis Maldonado, Humberto Alvarez-Heredia and Michael Beetz,
Improving robot manipulation through fingertip perception,
*IEEE International Conference on Intelligent Robots and Systems (IROS)*, Vilamoura,
Algarve, Portugal, October 7–11 2012.

[C1] Federico Ruiz-Ugalde, Gordon Cheng and Michael Beetz,
**Fast adaptation for effect-aware pushing,**
*11th IEEE-RAS International Conference on Humanoid Robots*, Bled, Slovenia, October,
26–28 2011.

[C2] Michael Beetz, Ulrich Klank, Alexis Maldonado, Dejan Pangercic and Thomas Rühr,
**Robotic Roommates Making Pancakes - Look Into Perception-Manipulation Loop,**

[C3] Michael Beetz, Ulrich Klank, Ingo Kresse, Alexis Maldonado, Lorenz Mösenelechner, Dejan Pangercic, Thomas Rühr and Moritz Tenorth,
**Robotic Roommates Making Pancakes,**
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[C4] Ingo Kresse, Ulrich Klank and Michael Beetz,
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[J1] Michael Beetz, Freek Stulp, Piotr Esden-Tempski, Andreas Fedrizzi, Ulrich Klank, Ingo Kresse, Alexis Maldonado and Federico Ruiz,
**Generality and Legibility in Mobile Manipulation,**
[C1] Federico Ruiz-Ugalde, Gordon Cheng and Michael Beetz,
Prediction of action outcomes using an object model,
2010 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Tai-
pei, Taiwan, October 18-22 2010.

[C2] Alexis Maldonado, Ulrich Klank and Michael Beetz,
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ger torque information,
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pei, Taiwan, 2586-2591, October 18-22 2010.

[C1] Freek Stulp, Erhan Oztop, Peter Pastor, Michael Beetz and Stefan Schaal,
Compact Models of Motor Primitive Variations for Predictable Reaching and
Obstacle Avoidance,

[C2] Freek Stulp, Andreas Fedrizzi, Franziska Zacharias, Moritz Tenorth, Jan Bandouch and
Michael Beetz,
Combining Analysis, Imitation, and Experience-based Learning to Acquire a
Concept of Reachability,

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Action-Related Place-Based Mobile Manipulation,
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[C4] Andreas Fedrizzi, Lorenz Moesenlechner, Freek Stulp and Michael Beetz,
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Places,

[C5] Freek Stulp, Andreas Fedrizzi and Michael Beetz,
Learning and Performing Place-based Mobile Manipulation,

[C6] Freek Stulp, Ingo Kresse, Alexis Maldonado, Federico Ruiz, Andreas Fedrizzi and Michael
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Proceedings of the 2009 IEEE Conference on Robotics and Biomimetics, Guilin, Guangxi,
China, December 19-23 2009.

[C8] Agnieszka Wykowska, Alexis Maldonado, Michael Beetz and Anna Schuboe,
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gust 16-20 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] Anna Schubö, Alexis Maldonado, Sonja Stork and Michael Beetz,
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[C1] Michael Beetz, Jan Bandouch, Alexandra Kirsch, Alexis Maldonado, Armin Müller and Radu Bogdan Rusu,
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