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,

[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 Mösenlechner, Dejan Pangercic, Thomas Rühr and Moritz Tenorth,
Robotic Roommates Making Pancakes,
11th IEEE-RAS International Conference on Humanoid Robots, Bled, Slovenia, October,
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[C4] Ingo Kresse, Ulrich Klank and Michael Beetz,
Multimodal Autonomous Tool Analyses and Appropriate Application,
11th IEEE-RAS International Conference on Humanoid Robots, Bled, Slovenia, October,
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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,
CogMan: Cognitive manipulation

List of Publications

[C1] Federico Ruiz-Ugalde, Gordon Cheng and Michael Beetz,
 Prediction of action outcomes using an object model,

[C2] Alexis Maldonado, Ulrich Klank and Michael Beetz,
 Robotic grasping of unmodeled objects using time-of-flight range data and finger torque information,

[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,

[C3] Freek Stulp, Andreas Fedrizzi and Michael Beetz,
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[C4] Andreas Fedrizzi, Lorenz Moesenlechner, Freek Stulp and Michael Beetz,
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[C5] Freek Stulp, Andreas Fedrizzi and Michael Beetz,
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[C6] Freek Stulp, Ingo Kresse, Alexis Maldonado, Federico Ruiz, Andreas Fedrizzi and Michael Beetz,
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[C7] Jun Li, Alexis Maldonado, Michael Beetz and Anna Schuboe,
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[C8] Agnieszka Wykowska, Alexis Maldonado, Michael Beetz and Anna Schuboe,
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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,

Subsequent Actions Influence Motor Control Parameters of a Current Grasping Action,
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The Assistive Kitchen — A Demonstration Scenario for Cognitive Technical Systems,