Thomas Ruehr

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] Michael Beetz, Lorenz Mösenlechner, Moritz Tenorth and Thomas Rühr, 
CRAM – a Cognitive Robot Abstract Machine, 

[C1] Michael Beetz, Ulrich Klank, Alexis Maldonado, Dejan Pangercic and Thomas Rühr, 
Robotic Roommates Making Pancakes - Look Into Perception-Manipulation Loop, 

[C2] Nico Blodow, Zoltan-Csaba Marton, Dejan Pangercic, Thomas Rühr, Moritz Tenorth and Michael Beetz, 
Inferring Generalized Pick-and-Place Tasks from Pointing Gestures, 

[C3] Nico Blodow, Lucian Cosmin Goron, Zoltan-Csaba Marton, Dejan Pangercic, Thomas Rühr, Moritz Tenorth and Michael Beetz, 
Autonomous Semantic Mapping for Robots Performing Everyday Manipulation Tasks in Kitchen Environments, 

[C4] Michael Beetz, Ulrich Klang, Ingo Kresse, Alexis Maldonado, Lorenz Mösenlechner, Dejan Pangercic, Thomas Rühr and Moritz Tenorth, 
Robotic Roommates Making Pancakes, 

Artificial Cognition in Production Systems, 

The Cognitive Factory, 
[C1] Christoph Ertelt, Thomas Rühr, Dejan Pangercic, Kristina Shea and Michael Beetz, 
Integration of Perception, Global Planning and Local Planning in the Manu-
facturing Domain, 

[C2] Andreas Leha, Dejan Pangercic, Thomas Rühr and Michael Beetz, 
Optimization of Simulated Production Process Performance using Machine 
Learning, 

[C3] Maier, Paul, Sachenbacher, Martin, Rühr, Thomas, Kuhn and Lukas, 
Integrating Model-based Diagnosis and Prognosis in Autonomous Production, 
Proc. First International Conference on Prognostics and Health Management (PHM’09), 
San Diego, CA, USA, September 2009.

[C4] Maier, Paul, Sachenbacher, Martin, Rühr, Thomas, Kuhn and Lukas, 
Integrated Plan Tracking and Prognosis for Autonomous Production Processes, 
Proc. of 14th IEEE International Conference on Emerging Technologies and Factory Au-
tomation (ETFA-2009), September 2009.

[C5] Maier, Paul, Sachenbacher, Martin, Rühr, Thomas, Kuhn and Lukas, 
Integrated Diagnosis and Plan Assessment for Autonomous Production Pro-
cesses, 

[C6] Maier, Paul, Sachenbacher, Martin, Rühr, Thomas, Kuhn and Lukas, 
Constraint-Based Integration of Plan Tracking and Prognosis for Autonomous 
Production, 
KI 2009: Advances in Artificial Intelligence, 32nd Annual German Conference on AI, 
Paderborn, Germany, Springer, Lecture Notes in Computer Science, Vol. 5803, 403-410, 
September 15-18 2009.

[C1] Thomas Rühr, Dejan Pangercic and Michael Beetz, 
Structured Reactive Controllers and Transformational Planning for Manufac-
turing, 
Proceedings of the 13th IEEE International Conference on Emerging Technologies and 
Factory Automation (ETFA), Hamburg, Germany, September 15-18, 2008.

D. Pangercic, Thomas Rühr, H. Ding and T. Paschedag, 
An Integrated Approach to Realize the Cognitive Machine Shop, 
Proceedings of the 1st International Workshop on Cognition for Technical Systems, 
München, Germany, 6-8 October, 2008.