[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 Klank, Ingo Kresse, Alexis Maldonado, Lorenz Mösenlechner, Dejan Pangercic, Thomas Rühr and Moritz Tenorth, 
Robotic Roommates Making Pancakes, 

[J1] M. F. Zaeh, W. Roesel, A. Bannat, T. Bautze, M. Beetz, J. Blume, K. Diepold, C. Ertelt, 
Artificial Cognition in Production Systems, 

The Cognitive Factory, 
Thomas Ruehr

List of Publications

[C1] Christoph Ertelt, Thomas Rühr, Dejan Pangercic, Kristina Shea and Michael Beetz, 
Integration of Perception, Global Planning and Local Planning in the Manufacturing 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, 

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

[C6] Maier, Paul, Sachenbacher, Martin, Rühr, Thomas, Kuhn and Lukas, 
Constraint-Based Integration of Plan Tracking and Prognosis for Autonomous Production, 

[C1] Thomas Rühr, Dejan Pangercic and Michael Beetz, 
Structured Reactive Controllers and Transformational Planning for Manufacturing, 

An Integrated Approach to Realize the Cognitive Machine Shop, 