[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 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, 
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 Manufacturing, 

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.