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 Envi-
ronments, 
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, 
IEEE International Conference on Robotics and Automation (ICRA), Workshop on Mobile 

[C2] Nico Blodow, Zoltan-Csaba Marton, Dejan Pangercic, Thomas Rühr, Moritz Tenorth and 
Michael Beetz, 
Inferring Generalized Pick-and-Place Tasks from Pointing Gestures, 
IEEE International Conference on Robotics and Automation (ICRA), Workshop on Se-

[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 Manipula-
tion Tasks in Kitchen Environments, 
Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems 
(IROS), San Francisco, CA, USA, September, 25–30 2011.

[C4] 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, 
26–28 2011.

[J1] M. F. Zaeh, W. Roesel, A. Bannat, T. Bautze, M. Beetz, J. Blume, K. Diepold, C. Ertelt, 
Ruehr, A. Schuboe, K. Shea, I. Stork genannt Wersborg, S. Stork, W. Tekouo, F. Wallhoff 
and M. Wiesbeck, 
Artificial Cognition in Production Systems, 

Lau, Martin Ostgathe, W. Vogl, Mathey Wiesbeck, Marco Engelhard, Christoph Ertelt, 
Thomas Rühr, M. Friedrich and S. Herle, 
The Cognitive Factory, 
H. A. ElMaraghy(Ed.), Changeable and Reconfigurable Manufacturing Systems, Springer, 
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, 