RoboEarth: Knowledge-exchange between robots

List of Publications

[J1] Moritz Tenorth, Alexander Clifford Perzylo, Reinhard Lafrenz and Michael Beetz,  
Representation and Exchange of Knowledge about Actions, Objects, and Environments in the RoboEarth Framework,  

[C1] Moritz Tenorth, Fernando De la Torre and Michael Beetz,  
Learning Probability Distributions over Partially-Ordered Human Everyday Activities,  

[C1] Moritz Tenorth, Alexander Clifford Perzylo, Reinhard Lafrenz and Michael Beetz,  
The RoboEarth language: Representing and Exchanging Knowledge about Actions, Objects, and Environments,  

[C2] Moritz Tenorth and Michael Beetz,  
Knowledge Processing for Autonomous Robot Control,  
AAAI Spring Symposium on Designing Intelligent Robots: Reintegrating AI, Stanford, CA, USA, March 26–28 2012.

[C3] Michael Beetz, Moritz Tenorth, Dejan Pangeric and Benjamin Pitzer,  
Semantic Object Maps for Household Tasks,  

[C4] Michael Beetz, Lorenz Mösenechner, Moritz Tenorth and Thomas Rühr,  
CRAM – a Cognitive Robot Abstract Machine,  

[C5] Daniel di Marco, Moritz Tenorth, Kai Häussermann, Oliver Zweigle and Paul Levi,  
RoboEarth Action Recipe Execution,  

[C6] Moritz Tenorth and Michael Beetz,  
Exchange of Action-related Information among Autonomous Robots,  

[C7] Moritz Tenorth and Michael Beetz,  
A Unified Representation for Reasoning about Robot Actions, Processes, and their Effects on Objects,  

[C8] Moritz Tenorth, Koji Kamei, Satoru Satake, Takahiro Miyashita and Norihiro Hagita,  
Towards a Networked Robot Architecture for Distributed Task Execution and Knowledge Exchange,  
Third International Workshop on Standards and Common Platforms for Robotics (SCPR 2012), in conjunction with SIMPAR 2012, Tsukuba, Japan, November 5 2012.
[J1] Markus Waibel, Michael Beetz, Raffaello D’Andrea, Rob Janssen, Moritz Tenorth, Javier Civera, Jos Elfring, Dorian Gálvez-López, Kai Häussermann, J.M.M. Montiel, Alexander Perzylo, Björn Schießle, Oliver Zweigle and René van de Molengraft, 
RoboEarth - A World Wide Web for Robots, 

[C1] Lars Kunze, Tobias Roehm and Michael Beetz, 
Towards Semantic Robot Description Languages, 

[PhD1] Moritz Tenorth, 
Knowledge Processing for Autonomous Robots, 
Technische Universität München, 2011.

[R1] Moritz Tenorth and Michael Beetz, 
Deliverable D5.2: The RoboEarth Language – Language Specification, 