Dominik Jain

List of Publications

[J1] Michael Beetz, Dominik Jain, Lorenz Mösenlechner, Moritz Tenorth, Lars Kunze, Nico Blodow and Dejan Pangercic,
Cognition-Enabled Autonomous Robot Control for the Realization of Home Chore Task Intelligence,
Proceedings of the IEEE, Special Issue on Quality of Life Technology, 100(8): 2454-2471, 2012.

[C1] Martin Schuster, Dominik Jain, Moritz Tenorth and Michael Beetz,
Learning Organizational Principles in Human Environments,

[PhD1] Dominik Jain,
Probabilistic Cognition for Technical Systems: Statistical Relational Models for High-Level Knowledge Representation, Learning and Reasoning,
Technische Universität München, 2012.

[C1] Dominik Jain, Klaus von Gleissenthall and Michael Beetz,
Bayesian Logic Networks and the Search for Samples with Backward Simulation and Abstract Constraint Learning,

[C2] Paul Maier, Dominik Jain and Martin Sachenbacher,
Compiling AI Engineering Models for Probabilistic Inference,

[C3] Dominik Jain,
Knowledge Engineering with Markov Logic Networks: A Review,
DKB 2011: Proceedings of the Third Workshop on Dynamics of Knowledge and Belief, 2011.

[C4] William R. Murray and Dominik Jain,
Modeling Cognitive Frames for Situations with Markov Logic Networks,

[C5] Maier, Paul, Jain, Dominik, Sachenbacher and Martin,
Diagnostic Hypothesis Enumeration vs. Probabilistic Inference for Hierarchical Automata Models,
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List of Publications

[J1] Michael Beetz, Moritz Tenorth, Dominik Jain and Jan Bandouch, 
Towards Automated Models of Activities of Daily Life, 

[J2] Michael Beetz, Dominik Jain, Lorenz Mösenlechner and Moritz Tenorth, 
Towards Performing Everyday Manipulation Activities, 

[J3] Moritz Tenorth, Dominik Jain and Michael Beetz, 
Knowledge Representation for Cognitive Robots, 

[C1] Dominik Jain, Andreas Barthels and Michael Beetz, 
Adaptive Markov Logic Networks: Learning Statistical Relational Models with 
Dynamic Parameters, 

[C2] Dominik Jain and Michael Beetz, 
Soft Evidential Update via Markov Chain Monte Carlo Inference, 
KI 2010: Advances in Artificial Intelligence, 33rd Annual German Conference on AI, 

[C3] Paul Maier, Dominik Jain, Stefan Waldherr and Martin Sachenbacher, 
Plan Assessment for Autonomous Manufacturing as Bayesian Inference, 
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[C4] Dejan Pangercic, Moritz Tenorth, Dominik Jain and Michael Beetz, 
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IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Taipei, 
Taiwan, 1065-1071, October 18-22 2010.

[C5] Nico Blodow, Dominik Jain, Zoltan-Csaba Marton and Michael Beetz, 
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[C6] Moritz Tenorth, Lars Kunze, Dominik Jain and Michael Beetz, 
KNOWROB-MAP – Knowledge-Linked Semantic Object Maps, 

[C1] Zoltan Csaba Marton, Radu Bogdan Rusu, Dominik Jain, Ulrich Klank and Michael Beetz, 
Probabilistic Categorization of Kitchen Objects in Table Settings with a Compo- 
site Sensor, 
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[C2] Dominik Jain, Lorenz Mösenlechner and Michael Beetz, 
Equipping Robot Control Programs with First-Order Probabilistic Reasoning 
Capabilities, 
[C3] Michael Beetz, Jan Bandouch, Dominik Jain and Moritz Tenorth,
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[C4] Dominik Jain, Paul Maier and Gregor Wylezich,
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[R1] Dominik Jain, Stefan Waldherr and Michael Beetz,
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[C1] Michael Beetz, Freek Stulp, Bernd Radig, Jan Bandouch, Nico Blodow, Mihai Dolha, Andreas Fedrizzi, Dominik Jain, Uli Klang, Ingo Kresse, Alexis Maldonado, Zoltan Marton, Lorenz Mösenlechner, Federico Ruiz, Radu Bogdan Rusu and Moritz Tenorth,
The Assistive Kitchen – A Demonstration Scenario for Cognitive Technical
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München, Germany, 6-8 October 2008.

[C1] Dominik Jain, Bernhard Kirchlechner and Michael Beetz,
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mins,
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