

Dr. Matthias Wester-Ebbinghaus

List of Publications

February 17, 2012

Thesis

- [1] Matthias Wester-Ebbinghaus. Von Multiagentensystemen zu Multiorganisationssystemen – Modellierung auf Basis von Petrinetzen. Dissertation, Universität Hamburg, Fachbereich Informatik. Elektronische Veröffentlichung im Bibliothekssystem der Universität Hamburg: <http://www.sub.uni-hamburg.de/opus/volltexte/2011/4974/>, 2010.
- [2] Matthias Wester-Ebbinghaus. Spezifikation eines Teamworkmodells für MULAN-Agenten. Diplomarbeit, Universität Hamburg, Fachbereich Informatik, Theoretische Grundlagen der Informatik, 2005.

Zeitschriftenartikel

- [3] Matthias Wester-Ebbinghaus, Daniel Moldt, and Michael Köhler-Bußmeier. Modeling organizational units as modular components of systems of systems. In Kurt Jensen, Susanna Donatelli, and Maciej Koutny, editors, *Transactions on Petri Nets and Other Models of Concurrency IV*, volume 6550 of *Lecture Notes in Computer Science*, pages 174–198. Springer, 2010.
- [4] Michael Köhler-Bußmeier, Daniel Moldt, and Matthias Wester-Ebbinghaus. A formal model for organisational structures behind process-aware information systems. In Wil van der Aalst and Kurt Jensen, editors, *Transactions on Petri Nets and Other Models of Concurrency II: Special Issue on Concurrency in Process-Aware Information Systems*, volume 5460 of *Lecture Notes in Computer Science*, pages 98–115. Springer, 2009.
- [5] Matthias Wester-Ebbinghaus. Implementing multi-agent teamwork via reference net team modules. *International Transactions on Systems Science and Applications*, 1(4):343–351, 2006.

Konferenzartikel

- [6] Tobias Betz, Lawrence Cabac, and Matthias Wester-Ebbinghaus. Gateway architecture for web-based agent services. In *Multiagent System Technologies - 9th German Conference (MATES 2011)*, volume 6973 of *Lecture Notes in Computer Science*, pages 165–172. Springer, 2011.
- [7] Matthias Wester-Ebbinghaus, Daniel Moldt, and Simon Adameit. Modeling systems of systems as nested actor systems based on Petri nets. In Gregor Engels, Dimitris Karagiannis, and Heinrich Mayr, editors, *Modellierung 2010*, volume 161 of *Lecture Notes in Informatics*, pages 67–82. Gesellschaft für Informatik E.V., 2010.

- [8] Michael Köhler-Bußmeier and Matthias Wester-Ebbinghaus. Sonar*: A multi-agent infrastructure for active application architectures and inter-organisational information systems. In Lars Braubach, Wiebke van der Hoek, Paolo Petta, and Alexander Pokahr, editors, *Multiagent System Technologies, 7th German Conference, MATES 2009*, volume 5774 of *Lecture Notes in Artificial Intelligence*, pages 248–257. Springer, 2009.
- [9] Lawrence Cabac, Till Döriges, Michael Duvigneau, Daniel Moldt, Christine Reese, and Matthias Wester-Ebbinghaus. Agent models for concurrent software systems. In Ralph Bergmann, Gabriela Lindemann, Stefan Kirn, and Michal Pechoucek, editors, *Multiagent System Technologies, 6th German Conference, MATES 2008*, volume 5244 of *Lecture Notes in Artificial Intelligence*, pages 37–48. Springer, 2008.
- [10] Matthias Wester-Ebbinghaus and Daniel Moldt. Structure in threes: Modelling organization-oriented software architectures built upon multi-agent systems. In Lin Padgham, David Parkes, Jörg Müller, and Simon Parsons, editors, *7th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2008)*, pages 1307–1311. IFAAMAS, 2008.
- [11] Lawrence Cabac, Michael Duvigneau, Christine Reese, Till Döriges, and Matthias Wester-Ebbinghaus. Models and tools for mulan applications. In *Multi-Agent Systems and Applications V*, volume 4696 of *Lecture Notes in Computer Science*, pages 328–330. Springer, 2007.
- [12] Michael Köhler and Matthias Wester-Ebbinghaus. Closing the gap between organizational models and multi-agent system deployment. In *Multi-Agent Systems and Applications V*, volume 4696 of *Lecture Notes in Computer Science*, pages 307–309. Springer, 2007.
- [13] Matthias Wester-Ebbinghaus, Daniel Moldt, Christine Reese, and Kolja Markwardt. Towards Organization-Oriented Software Engineering. In Heinz Züllighoven, editor, *Software Engineering Konferenz 2007 in Hamburg: SE'07 Proceedings*, volume 105 of *Lecture Notes in Informatics*, pages 205–217. Gesellschaft für Informatik E.V., 2007.

Workshop-Artikel

- [14] Matthias Wester-Ebbinghaus and Daniel Moldt. Abstractions in actor and activity modeling. In *Enterprise Modelling and Information Systems Architectures: Proceedings of the 4th International Workshop on Enterprise Modelling and Information Systems Architectures (EMISA 2011)*, volume 190 of *LNI*, pages 195–200. GI, 2011.
- [15] Michael Köhler-Bußmeier, Matthias Wester-Ebbinghaus, and Daniel Moldt. Generating executable multi-agent system prototypes from sonar specifications. In Marina De Vos, Nicoletta Fornara, Jeremy V. Pitt, and George A. Vouros, editors, *Coordination, Organizations, Institutions, and Norms in Agent Systems VI*, volume 6541 of *Lecture Notes in Computer Science*, pages 21–38. Springer, 2011.
- [16] Lawrence Cabac, Daniel Moldt, Matthias Wester-Ebbinghaus, and Eva Müller. Visual representation of mobile agents – modeling mobility within the prototype MAPA. In Michael Duvigneau and Daniel Moldt, editors, *Proceedings of the Fifth International Workshop on Modeling of Objects, Components and Agents, MOCA'09, Hamburg. Bericht, FBI-HH-B-290/09. Elektronische Veröffentlichung im Bibliothekssystem der*

- Universität Hamburg: <http://epub.sub.uni-hamburg.de/informatik/volltexte/2010/149/>, pages 7–28, 2009.
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- [19] Marcin Hewelt and Matthias Wester-Ebbinghaus. United – a Petri net based framework for modeling complex and adaptive systems. In Daniel Moldt, editor, *Petri Nets and Software Engineering, International Workshop, PNSE'09. Proceedings*, Technical Reports Université Paris 13, pages 207–226. Université Paris 13, 2009.
- [20] Matthias Wester-Ebbinghaus, Michael Köhler-Bußmeier, and Daniel Moldt. From multi-agent to multi-organization systems: Utilizing middleware approaches. In Alexander Artikis, Gauthier Picard, and Laurent Vercoouter, editors, *Engineering Societies in the Agents World IX*, volume 5485 of *Lecture Notes in Computer Science*, pages 46–65, 2009.
- [21] Michael Köhler-Bußmeier and Matthias Wester-Ebbinghaus. Automatic generation of distributed team formation algorithms from organizational models. In Jomi Fred Hübner, Eric Matson, Olivier Boissier, and Virginia Dignum, editors, *Coordination, Organizations, Institutions, and Norms in Agent Systems IV*, volume 5428 of *Lecture Notes in Artificial Intelligence*, pages 64–79, 2009.
- [22] Christine Reese, Matthias Wester-Ebbinghaus, Till Dörge, Lawrence Cabac, and Daniel Moldt. Introducing a process infrastructure for agent systems. In Mehdi Dastani, Amal El Fallah, João Leite, and Paolo Torroni, editors, *LADS'007 Languages, Methodologies and Development Tools for Multi-Agent Systems*, volume 5118 of *Lecture Notes in Computer Science*, pages 225–242, 2008. Revised Selected and Invited Papers.
- [23] Matthias Wester-Ebbinghaus and Daniel Moldt. A Janus-faced net component for the prototyping of open systems. In *15th German Workshop on Algorithms and Tools for Petri Nets, Algorithmen und Werkzeuge für Petrinetze, AWPN 2008*, volume 380 of *CEUR Workshop Proceedings*, pages 25–30. CEUR-WS.org, 2008.
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- [26] Michael Köhler and Matthias Wester-Ebbinghaus. Petri net-based specification and deployment of organizational models. In Daniel Moldt, Fabrice Kordon, Kees van Hee, José-Manuel Colom, and Rémi Bastide, editors, *Proceedings of the International Workshop on Petri Nets and Software Engineering (PNSE'07)*, pages 67–81, Siedlce, Poland, 2007. Akademia Podlaska.
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