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A

List of Publications (PhD related)

A.1 Article in Journal/Book

1. Gatti, M. A. C. ; Lucena, C.J.P. de . A Multi-Environment Multi-Agent Simulation Framework for Self-Organizing Systems. In Multi-Agent-Based Simulation X Series: International Workshop, MABS at AAMAS 2009, Budapest, Hungary, May, 2009, Revised Selected Papers, Gennaro di Tosto and H. Van Dyke Parunak, Eds. Lecture Notes In Artificial Intelligence, Springer-Verlag, Berlin, Heidelberg. (*to appear in 2010*)
2. Motta JR, P. R., Gatti, M. A. C., Lucena, C.J.P. de: Towards a Transparent Middleware for Self-Organizing Multi-Agent Systems on Clusters. In the Special Issue of the Computer Journal: Massively Multi-Agent Systems: Models, Methods and Tools. Revised Selected and Invited Papers. (*to appear in 2010*)

A.2 Contributions at International Conferences, Published in the Proceedings

1. Gatti, M., Miles, S., Oren, N., Luck, M., Lucena, C.J.P. de: A Simulation Approach to Design Contracts that Govern Emergent Multi-Agent Systems. *Submitted to* the 9th International Conference on Autonomous Agents and Multiagent Systems, Toronto, Canada, May, 2010.
2. Gatti, M., Soares, B., Lucena, C.J.P. de: An Autonomic Convergence Architecture for the Engineering of Self-Organizing Multi-Agent Systems. *Submitted to* the 9th International Conference on Autonomous Agents and Multiagent Systems, Toronto, Canada, May, 2010.
3. Gatti, M. A. C., Lucena, C.J.P. de . A Multi-Environment Multi-Agent Simulation Framework for Self-Organizing Systems, 2009, Budapest. The

Eighth International Conference on Autonomous Agents and Multiagent Systems, 2009.

4. Motta JR, P. R., Gatti, M. A. C., Lucena, C.J.P. de: Towards a Transparent Middleware for Self-Organizing Multi-Agent Systems on Clusters. In Proceedings of The Eighth International Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2009 in The Third International Workshop on Massively Multi-Agent Systems: Models, Methods and Tools (MMAS'09), Budapest.

A.3 Contributions at National (Brazilian) Conferences, Published in the Proceedings

1. Gatti, M. A. C., Lucena, C.J.P. de: A Bio-inspired Representation Model for Engineering Self-Organizing Emergent Systems. In: XXII SBES - Simpósio Brasileiro de Engenharia de Software, 2008, Campinas. **Best Paper Award.**
2. Gatti, M. A. C. ; Faustino, G.M. ; Bispo, D. ; de Vasconcellos, J. E. ; Lucena, C.J.P. de: Agent-Oriented Stem Cell Computational Modeling, 2008, Belém. Anais do XXVIII Congresso Nacional da Sociedade Brasileira de Computação, 2008.
3. Faustino, Geisa; Gatti, Maíra; Bispo, Diego; Lucena, Carlos; A 3D Multi-Scale Agent-based Stem Cell Self-Organization; IV Workshop on Software Engineering for Agent-oriented Systems (SEAS 2008), SBES 2008, 13 a 17 de Outubro, Campinas, SP, Brasil, 2008, pp. 37–48.
4. Soares, B. C. ; Gatti, M. A. C., Lucena, C.J.P. de: Towards Verifying and Optimizing Self-Organizing Systems through an Autonomic Convergence Method. In: SEAS 2008 - Fourth Workshop on Software Engineering for Agent-Oriented Systems, 2008, Capinas. XXV SBES - Simpósio Brasileiro de Engenharia de Software, 2008.
5. Gatti, M., de Vasconcellos, J.E., Lucena, C.J.P.; An Agent Oriented Software Engineering Approach for the Adult Stem-Cell Modeling, Simulation and Visualization; Workshop on Software Engineering for Agent-Oriented Systems, III (SEAS), In: Anais do III Workshop on Software Engineering for Agent-Oriented Systems (SEAS), João Pessoa, Brasil, novembro 2007, pp. 39–54.

A.4 Technical Reports (selected)

1. Gatti, M. A. C., Lucena, C.J.P. de: An Agent-Based Approach for Building Biological Systems: Improving The Software Engineering for Complex and Adaptive Multi-Agent Systems. Monografias em Ciência da Computação, v. 14/07, p. 1-18, 2007.
2. Gatti, M. A. C., Lucena, C.J.P. de: Cell simulation: an agent-based software engineering approach. Monografias em Ciência da Computação, v. 18/08, p. 1-17, 2008.
3. Gatti, M. A. C., Lucena, C.J.P. de, Alencar, P.S.C., Cowan, D.D.: Self-organization and emergent behavior in multi-agents systems: a bio-inspired method and representation model. Monografias em Ciência da Computação, v. 19/08, p. 1-17, 2008.
4. Valeriano, A.A., Motta JR, P. R., Gatti, M. A. C., Lucena, C.J.P. de.: Requisitos Funcionais para um Middleware Paralelo e Distribuído de Sistemas Multi-Agentes Auto-Organizáveis. Monografias em Ciência da Computação, v. 10/09, p. 1-6, March, 2009.
5. Sangiorgi, U., Gatti, M.A.C., Lucena, C.J.P. de; A Model Driven Approach for Engineering Self-Organizing Multi-Agent Systems. Monografias em Ciência da Computação, v. 11/09, p. 1-10, March, 2009.
6. Gatti, M.A.C., Lucena, C.J.P. de, Garcia, A.F.: A Pattern Language for Self-Organizing Systems. Monografias em Ciência da Computação, v. 16/09, p. 1-15, June, 2009.