Referências

Almeida, H., Â. Perkusich, et al. (2006). A Component Model to Support Dynamic Unanticipated Software Evolution. International Conference on Software Engineering and Knowledge Engineering (SEKE'06), San Francisco, USA.

Ansari, S. (2006). Decentralized mediator in an Open Multi-Agent System. Rapport de stage. Nantes, Ecole Polytechnique de l'Universit´e de Nantes.

Ashri, R., T. R. Payne, et al. (2006). "Using Electronic Institutions to secure Grid environments."

Avizienis, A., J. C. Laprie, et al. (2004). Dependability and its threats: a taxonomy. Building the information society, 18th IFIP World Computer Congress, Toulouse, France.

Avizienis, A., J. C. Laprie, et al. (2004). "Basic concepts and taxonomy of dependable and secure computing." Dependable and Secure Computing, IEEE Transactions on **1**(1): 11-33.

Batista, T. and N. Rodriguez (2000). "Dynamic reconfiguration of component-based applications." Software Engineering for Parallel and Distributed Systems, 2000. Proceedings. International Symposium on: 32-39.

Bellifemine, F., A. Poggi, et al. (1999). "JADE–A FIPA-compliant agent framework." Proceedings of PAAM **99**: 97–108.

Boehm, B. W. (1981). Software Engineering Economics, Prentice Hall PTR Upper Saddle River, NJ, USA.

Boehm, B. W. and V. R. Basili (2001). "Software Defect Reduction Top 10 List." IEEE Computer **34**(1): 135-137.

Boella, G. and L. van der Torre (2003). "Attributing mental attitudes to normative systems." Proceedings of the second international joint conference on Autonomous agents and multiagent systems: 942-943.

Boissier, O., J. F. Hübner, et al. (2006). Organization Oriented Programming: From Closed to Open Organizations. Engineering Societies in the Agents World VII 7th International Workshop, ESAW 2006 Dublin, Ireland, Revised Selected and Invited Papers Series: Lecture Notes in Computer Science **4457**.

Bou, E., M. López-Sánchez, et al. (2006). "Norm Adaptation of Autonomic Electronic Institutions with Multiple Goals." ITSSA journal International Transactions on Systems Science and Applications **1**(3): 227--238.

Box, D., D. Ehnebuske, et al. (2000). Simple Object Access Protocol (SOAP) 1.1, May.

Carvalho, G. R. d. (2007). G-Frameworks: Uma Abordagem para a Reutilização de Leis de Interação em Sistemas Multiagentes Abertos. Departamento de Informática. Rio de Janeiro, PUC-Rio. **Phd:** 186.

Carvalho, G. R. d., H. Almeida, et al. (2006). Dynamic Law Evolution in Governance Mechanisms for Open Multi-Agent Systems. Second Workshop on Software Engineering for Agent-oriented Systems (SEAS 2006). Florianópolis, Brasil.

Carvalho, G. R. d., A. Brandão, et al. (2006). Interaction Laws Verification Using Knowledge-based Reasoning. Workshop on Agent-Oriented Information Systems (AOIS-2006). Hakodate, Japan.

Carvalho, G. R. d., R. Choren, et al. (2007). Uma Abordagem para o Reuso de Leis de Interacão em Sistemas Multi-Agentes. Simpósio Brasileiro de Engenharia de Software. João Pessoa, Brasil.

Carvalho, G. R. d., C. J. P. d. Lucena, et al. (2006). Refinement Operators to Facilitate the Reuse of Interaction Laws in Open Multi-Agent Systems. 5th International Workshop on Software Engineering for Large-scale Multi-Agent Systems (SELMAS). Shanghai, China.

Carvalho, G. R. d., R. d. B. Paes, et al. (2005). Increasing Software Infrastructure Dependability through a Law Enforcement Approach. International Symposium on Normative Multiagent Systems (NORMAS2005). Hatfield, England.

Carvalho, G. R. d., R. d. B. Paes, et al. (2004). Towards a Risk Driven Method for Developing Law Enforcement Middleware. Third International Workshop on Agent-Oriented Methodologies. Vancouver, Canada.

Carvalho, G. R. d., R. d. B. Paes, et al. (2005). Extensions on Interaction Laws in Open Multi-Agent Systems. Software Engineering for Agent-oriented Systems (SEAS 05). Uberlândia, Brazil.

Carvalho, G. R. d., R. d. B. Paes, et al. (2005). Governing the Interactions of an Agent-based Open Supply Chain Management System. Monografias em Ciência da Computação nº 29/05, Departamento de Informática, PUC-Rio.

Castelfranchi, C., F. Dignum, et al. (1999). "Deliberative normative agents: Principles and architecture." Proceedings of ATAL: 364–378.

Charette, R. N. (1989). Software engineering risk analysis and management, McGraw-Hill, Inc. New York, NY, USA.

Chen, Y., P. Li, et al. (2005). Web Services Dependability and Performance Monitoring. 21st UK Performance Engineering Workshop, United Kingdom.

Chopinaud, C., A. El Fallah Seghrouchni, et al. (2006). Dynamic Self-control of autonomous agents. Programming Multiagents Systems, Springer-Verlag**:** 41--57.

Clocksin, W. F. and C. S. Mellish (1984). Programming in Prolog, Springer-Verlag New York, Inc. New York, NY, USA.

Commerce, O. o. G. (2007). Service Design, The Stationery Office.

Coutinho, L. R., J. S. Sichman, et al. (2005). Modeling Organization in MAS: A Comparison of Models. First Workshop on Software Engineering for Agent-oriented Systems - SEAS 2005. C. J. P. d. Lucena, M. Blois, R. Choren and V. T. d. Silva. Uberlândia - Brasil.

Cristian, F. (1991). "Understanding fault-tolerant distributed systems." Commun. ACM **34**(2): 56-78.

Cugola, G., E. Di Nitto, et al. (1998). "Exploiting an event-based infrastructure to develop complex distributed systems." Proceedings of the 20th International Conference on Software Engineering (ICSE'98): 261–270.

Cuni, G., M. Esteva, et al. (2004). "MASFIT: Multi-Agent System for FIsh Trading." ECAI **16**: 710.

DeLoach, S. A. and E. Matson (2004). An Organizational Model for Designing Adaptive Multiagent Systems. The AAAI-04 Workshop on Agent Organizations: Theory and Practice.

Dignum, F. (2002). "Abstract norms and electronic institutions." Proceedings of the International Workshop on Regulated Agent-Based Social Systems: Theories and Applications (RASTA'02), Bologna: 93–104.

Dignum, V. and F. Dignum (2001). Modelling Agent Societies: Co-ordination Frameworks and Institutions. Proceedings of the10th Portuguese Conference on Artificial Intelligence on Progress in Artificial Intelligence, Knowledge Extraction, Multi-agent Systems, Logic Programming and Constraint Solving, Springer-Verlag.

Dignum, V., J. Vazquez-Salceda, et al. (2004). "A model of almost everything: norms, structure and ontologies in agent organizations." Autonomous Agents and Multiagent Systems, 2004. AAMAS 2004. Proceedings of the Third International Joint Conference on: 1498-1499.

Erl, T. (2004). Service-oriented architecture, Prentice Hall.

Esteva, M. (2003). Electronic Institutions: from specification to development. l'Institut d'Investigació en Intel ligència Artificial. Barcelona, Universitat Autònoma de Barcelona. **19**.

Esteva, M., J. A. Rodriguez, et al. (2001). "On the formal specifications of electronic institutions." Agent-mediated Electronic Commerce (The European AgentLink Perspective) **1191**: 126–147.

Esteva, M., B. Rosell, et al. (2004). "AMELI: An Agent-Based Middleware for Electronic Institutions." Proceedings of the Third International Joint Conference on Autonomous Agents and Multiagent Systems-Volume 1: 236-243.

Fayad, M., D. Schmidt, et al. (1999). Building application frameworks: object-oriented foundations of framework design, John Wiley & Sons.

Felicíssimo, C., C. J. P. d. Lucena, et al. (2005). Normative Ontologies to Define Regulations Over Roles in Open Multi-Agent Systems. AAAI Fall Symposium on Roles- an interdisciplinary perspective. Hyatt Crystal City in Arlington, Virginia.

Fipa, A. C. L. (2002). "Message Structure Specification." World Wide Web, http://www.fipa.org/specs/fipa00061.

Gamma, E., R. Helm, et al. (1995). Design patterns: elements of reusable object-oriented software, Addison-Wesley Longman Publishing Co., Inc. Boston, MA, USA.

Garcia-Camino, A., P. Noriega, et al. (2005). "Implementing norms in electronic institutions." Proceedings of the fourth international joint conference on Autonomous agents and multiagent systems: 667-673.

Gärtner, F. C. (1999). "Fundamentals of fault-tolerant distributed computing in asynchronous environments." ACM Computing Surveys **31**(1): 1-26.

Gatti, M. A. d. C., G. R. d. Carvalho, et al. (2006). Structuring a Law Case for Law-Governed Open Multi-Agent Systems. Monigrafias em Ciência da Computação. Rio de Janeiro, PUC-Rio. **27/06**.

Gatti, M. A. d. C., G. R. d. Carvalho, et al. (2006). O Rationale da Fidedignidade em Sistemas Multiagentes Abertos Governados por Leis. Second Workshop on Software Engineering for Agent-oriented Systems (SEAS 2006). Florianópolis, Brasil.

Gatti, M. A. d. C., C. J. P. d. Lucena, et al. (2006). On Fault Tolerance in Law-Governed Multi-Agent Systems. International Workshop on Software Engineering for Large-scale Multi-Agent Systems (SELMAS) at ICSE 2006. Shanghai, China.

Gatti, M. A. d. C., R. d. B. Paes, et al. (2006). Governing Agent Interaction in Open Multi-Agent Systems with Fault Tolerant Strategies. International Workshop Agents and Multiagent Systems, from Theory to Application (AMTA'06). Quebec, Canada.

Group, O. M. (2007). " UML 2.1.1." Retrieved 22 de Agosto de 2007, from http://www.uml.org/.

Guttman, R. H., A. G. Moukas, et al. (1998). "Agent-mediated electronic commerce: a survey." Knowl. Eng. Rev. **13**(2): 147-159.

Hannoun, M., O. Boissier, et al. (2000). MOISE: An Organizational Model for Multi-agent Systems. Proceedings of the International Joint Conference, 7th Ibero-American Conference on AI: Advances in Artificial Intelligence, Springer-Verlag.

Hannoun, M., O. Boissier, et al. (2000). MOISE: An organizational model for multi-agent systems. Proceedings of the International Joint Conference, 7th Ibero-American Conference on AI, 15th Brazilian Symposium on AI (IBERAMIA/SBIA'2000), Atibaia, SP, Brazil, November.

Hewitt, C. (1986). "Offices are open systems." ACM Trans. Inf. Syst. **4**(3): 271-287.

Hübner, J. F. (2003). Um Modelo de Reorganização de Sistemas Multiagentes. Escola Politécnica. São Paulo, Universidade de São Paulo. **PhD:** 178.

Hübner, J. F., J. S. Sichman, et al. (2006). S-moise+: A middleware for developing organised multi-agent systems. Coordination, Organizations,

Institutions, and Norms in Multi-Agent Systems, Springer-Verlag Lecture Notes in AI. **3913:** 64–78.

Inc., D. L. (2007). "The Challenge of Complexity, accessed in January, 2007." from http://domaindrivendesign.org/.

Kaâniche, M., J. C. Laprie, et al. (2000). "A Dependability-Explicit Model for the Development of Computing Systems." Proc. SAFECOMP 2000: 107-116.

Kan, S. H. (2002). Metrics and Models in Software Quality Engineering, Addison-Wesley Professional.

Karolak, D. W. (1996). Software engineering risk management, IEEE Computer Society Press Los Alamitos, Calif.

Kollingbaum, M. J. and T. J. Norman (2003). "NoA-A Normative Agent Architecture." Eighteenth International Joint Conference on Artificial Intelligence IJCAI **3**: 1465–1466.

Krey, N. C. (2006). 2005 NALL REPORT - Accident Trends and Factors for 2004. K. Hummel, K. D. Murphy and D. Wright, AOPA Air Safety Foundation.

Lapinsky, S. E., J. Weshler, et al. (2004). "Handheld computers in critical care." feedback.

Laprie, J.-C. and B. Randell (2004). "Basic Concepts and Taxonomy of Dependable and Secure Computing." IEEE Trans. Dependable Secur. Comput. **1**(1): 11-33.

Machado, R. P., G. R. d. Carvalho, et al. (2004). Applying Ontologies in Open Mobile Systems. OOPSLA'04 Workshop on Building Software for Pervasive Computing. Vancouver, Canada.

Mackinnon, T., S. Freeman, et al. (2001). "Endo-Testing: Unit Testing with Mock Objects." Extreme Programming Examined: 287-301.

Mahmood, N., W. David, et al. (2005). "A maturity model for the implementation of software process improvement: an empirical study." J. Syst. Softw. **74**(2): 155-172.

Matthews, S. (2002). Future developments and challenges in aviation safety. Future developments and challenges in aviation safety, Flight Safety Foundation. **21:** 1--12.

Meier, R. and V. Cahill (2005). "Taxonomy of Distributed Event-Based Programming Systems." The Computer Journal **48**(5): 602.

Menezes, P. B. (1997). Linguagens Formais e Autômatos. Porto Alegre.

Meyer, B. (2003). "The Power of Abstraction, Reuse and Simplicity: An Object-Oriented Library for Event-Driven Design." Festschrift in Honor of Ole-Johan Dahl.

Michael, B., S. Alberto, et al. (2006). "CMieux: adaptive strategies for competitive supply chain trading." SIGecom Exch. **6**(1): 1-10.

Minsky, N. H. (2003). "On conditions for self-healing in distributed software systems." Autonomic Computing Workshop, 2003: 86-92.

Minsky, N. H. (2005). Law Governed Interaction (LGI): A Distributed Coordination and Control Mechanism - (An Introduction, and a Reference Manual), Rutgers University.

Minsky, N. H. (2005). "On a principle underlying self-healing in heterogeneous software." Journal of Integrated Computer-Aided Engineering.

Minsky, N. H. and T. Murata (2004). "On manageability and robustness of open multi-agent systems." Computer Security, Dependability, and Assurance. lncs **2940**.

Minsky, N. H. and D. Rozenshtein (1987). "A law-based approach to object-oriented programming." Conference on Object Oriented Programming Systems Languages and Applications: 482-493.

Minsky, N. H. and V. Ungureanu (2000). "Law-governed interaction: a coordination and control mechanism for heterogeneous distributed systems." ACM Trans. Softw. Eng. Methodol. **9**(3): 273-305.

Murata, T. and N. H. Minsky (2003). "On Monitoring and Steering in Large-Scale Multi-Agent Systems." 2 ndInternational Workshop on Software Engineering for Large-Scale Multi-Agent Systems (ICSE-SELMAS 2003), Portland Or, USA, May.

Ndovie, B. (1994). Simulation of a conflict management system for air traffic control. Second International Working Conference on CKBS. DAKE Centre, University of Keele.

Noriega, P. (1997). Agent mediated auctions: The Fishmarket Metaphor, Universitat Autònoma de Barcelona.

Noushin, A. (2003). "The impact of software process improvement on quality: in theory and practice." Inf. Manage. **40**(7): 677-690.

Paes, R. d. B. (2005). Regulando a Interação de Agentes em Sistemas Abertos - uma Abordagem de Leis. Informática. Rio de Janeiro, PUC-Rio. **Master:** 119.

Paes, R. d. B., H. Almeida, et al. (2004). Enforcing Interaction Protocols in Multi-Agent Systems. Monografias em Ciência da Computação. Rio de Janeiro, PUC-Rio. **09/04**.

Paes, R. d. B., G. R. d. Carvalho, et al. (2004). A conceptual architecture for law-governed open multi-agent systems. Argentine Symposium on Software Engineering. Córdoba - Argentina.

Paes, R. d. B., G. R. d. Carvalho, et al. (2007). Enhancing the Environment with a Law-Governed Service for Monitoring and Enforcing Behavior in Open Multi-Agent Systems. Environments for Multi-Agent Systems III, Third International Workshop, E4MAS 2006, Hakodate, Japan, May 8, 2006, Selected Revised and Invited Papers. D. Weyns, H. V. D. Parunak and F. Michel, Springer. **4389:** 221--238.

Paes, R. d. B., G. R. d. Carvalho, et al. (2005). Specifying Laws in Open Multi-Agent Systems. Agents, Norms and Institutions for Regulated Multiagent Systems (ANIREM). Utrecht, The Netherlands.

Paes, R. d. B., M. A. d. C. Gatti, et al. (2006). A Middleware for Governance in Open Multi-Agent Systems. Monografias em Ciência da Computação. Rio de Janeiro, PUC-Rio. **33/06**.

Paes, R. d. B., C. J. P. d. Lucena, et al. (2005). Governing Agent Interaction in Open Multi-Agent Systems. Monografias em Ciência da Computação. Rio de Janeiro, PUC-Rio. **30/05**.

Paes, R. d. B., C. J. P. d. Lucena, et al. (2007). Incorporation of Dependability Concerns in the Specification of Multi-Agent Interactions by Using a Law Approach. Monografias em Ciência da Computação. PUC-Rio. Rio de Janeiro, Pontifícia Universidade Católica do Rio de Janeiro.

Paes, R. d. B., C. J. P. d. Lucena, et al. (2007). Using Interaction Laws to Implement Dependability Explicit Computing in Open Multi-Agent Systems. Simpósio Brasileiro de Engenharia de Software (SBES). João Pessoa, Brasil.

Papazoglou, M. P. and D. Georgakopoulos (2003). "Service-Oriented Computing." Communications of the ACM **46**(10): 25-28.

Rahman, H. A., K. Beznosov, et al. (2006). Identification of Sources of Failures and their Propagation in Critical Infrastructures from 12 Years of Public Failure Reports. Third International Conference on Critical Infrastructures. Alexandria, VA.

Randell, B. and J. Xu (1995). "The evolution of the recovery block concept." Software Fault Tolerance: 1-22.

Ripper, P. S., M. F. Fontoura, et al. (2000). "V-Market: A framework for agent e-commerce systems." World Wide Web **3**(1): 43--52.

Rocher, G. (2006). The Definitive Guide to Grails (Definitive Guide), APRESS.

Rodrigues, L. F. C., G. R. d. Carvalho, et al. (2005). Towards an Integration Test Architecture for Open MAS. Software Engineering for Agent-oriented Systems (SEAS 05). Uberlândia, Brazil.

Rodriguez-Aguilar, J. A. (2001). On the Design and Construction of Agent-mediated Electronic Institutions. IIIA. **Phd**.

Rogério, C. (2007). "Regulamento de Tráfego Aéreo." Retrieved June, 11th, 2007, from http://www.airandinas.com/sala_regulamento.html.

Serugendo, G., J. Fitzgerald, et al. (2006). Dependable Self-Organising Software Architectures - An Approach for Self-Managing Systems. London, School of Computer Science and Information Systems, Birkbeck College. **BBKCS-06-05**.

Silva, V. T. d. (2004). Uma Linguagem de Modelagem para Sistemas Multi-agentes Baseada em um Framework Conceitual para Agentes e Objetos. Departamento de Informática - Laboratório de Engenharia de Software. Rio de Janeir, PUC-Rio. **Phd**.

Singh, M. P. and M. N. Huhns (2005). Service-oriented Computing: Semantics, Processes, Agents, Wiley.

Staa, A. v. (2006). Engenharia de Software Fidedigno. Monografias em Ciência da Computação, n. 13/06. PUC-Rio. Rio de Janeiro, Pontifícia Universidade Católica do Rio de Janeiro.

Stelling, P., C. DeMatteis, et al. (1999). "A fault detection service for wide area distributed computations." Cluster Computing **2**(2): 117-128.

Sterling, L. S. and E. Y. Shapiro (1994). The Art of Prolog: Advanced Programming Techniques, MIT Press.

Team, C. P. (2006). CMMI for Development, Version 1.2, Carnegie Mellon University.

Tel, G. (2000). Introduction to Distributed Algorithms, Cambridge University Press.

Thomas, D., D. H. Hansson, et al. (2006). Agile Web Development with Rails, Programatic Bookshelf.

Van Solingen, R. and E. Berghout (1999). "The Goal/Question/Metric Method." A practical guide for quality improvement of software development.

Vincenzi, A. M. R., A. S. Simão, et al. (2006). "Muta-Pro: Towards the Definition of a Mutation Testing Process." Journal of the Brazilian Computer Society **12**.

Weyns, D., A. Omicini, et al. (2007). "Environment as a first class abstraction in multiagent systems." Autonomous Agents and Multi-Agent Systems **14**(1): 5-30.

Wikipedia. (2007). "Tenerife disaster." Retrieved June, 11th, 2007, 2007.

Xu, J., B. Randell, et al. (1995). Fault Tolerance in Concurrent Object-Oriented Software through Coordinated Error Recovery.

Yi, X. and K. J. Kochut (2004). "Process composition of web services with complex conversation protocols: a colored petri nets based approach." Proc. of the Design, Analysis, and Simulation of Distributed Systems Symposium at Adavanced Simulation Technology Conf: 141–148.