

## 8 Referências

- [1] ALEXANDER, C. et al.. **A Pattern Language**. Oxford University Press, New York, 1977.
- [2] ALEXANDER, C.. **The Timeless Way of Building**. Oxford University Press, New York, 1979.
- [3] ARUNACHALAM, R.; SADEH, N.. **The 2003 Supply Chain Management Trading Agent Competition**. PROCEEDINGS OF THE TRADING AGENT DESIGN AND ANALYSIS WORKSHOP AT AAMAS'04, p.28-35, New York, USA, Julho 2004.
- [4] BEVILACQUA, F.; SARDINHA, J.A.R.P.. **Estruturas dinâmicas de incentivos para grupos de consumo**. C. J. P. Lucena and R. L. Milidiú, editors, SISTEMAS MULTI-AGENTES, p.145-159, Papel Virtual Editora, ISBN: 85-7493-155-1, Julho 2001.
- [5] BENISCH, M.; GREENWALD, A.; GRYPARI, I.; LEDERMAN, R.; NARODITSKIY, V.; TSCHANTZ, M.. **Botticelli: A Supply Chain Management Agent**. PROCEEDINGS OF THE THIRD INTERNATIONAL JOINT CONFERENCE ON AUTONOMOUS AGENTS AND MULTIAGENT SYSTEMS (AAMAS'2004), p.1174-1181, New York, USA, Julho 2004.
- [6] BOWERMAN, B. L.; O'CONNELL, R. T.. **Forecasting and Time Series: An Applied Approach**. Thomson Learning, 3rd edition, ASIN: 0534932517, 1993.
- [7] BRESCIANI, P.; PERINI, A.; GIORGINI, P.; GIUNCHIGLIA, F.; MYLOPOULOS, J.. **Tropos: An Agent-Oriented Software Development Methodology**. AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS, p.203-236, Volume 8, Issue 3, Maio 2004.
- [8] BUSCHMANN, F. et al.. **Pattern-Oriented Software Architecture: A System of Patterns**. John Wiley & Sons, 1996.
- [9] CASTRO, J.; KOLP, M.; MYLOPOULOS, J.. **A Requirements-Driven Development Methodology**. PROCEEDINGS OF THE 13TH INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SYSTEMS ENGINEERING, p.108-123, Lecture Notes In Computer Science, Vol. 2068, 2001.
- [10] CHENG, S-F; LEUNG, E.; LOCHNER, K. M.; O'MALLEY, K.; REEVES, D. M.; SCHVARTZMAN, L. J.; WELLMAN, M. P.. **Walverine: A Walrasian Trading Agent**. PROCEEDINGS OF THE SECOND INTERNATIONAL JOINT CONFERENCE ON AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS, p.465-472, Melbourne, Australia, Julho 2003.

- [11] CHOPRA, S.; MEINDL, P.. **Supply Chain Management – Strategy, Planning, and Operations**. Pearson Prentice Hall, Second Edition, ISBN 0-13-101028-X, 2004.
- [12] CHOREN, R.. **Uma Linguagem de Modelagem para Sistemas Baseados em Agentes**. Tese de Doutorado, Departamento de Informática, PUC-Rio. Dezembro 2002.
- [13] CHOREN, R.; LUCENA, C. J. P.. **Modeling Multi-agent Systems with ANote**. JOURNAL ON SOFTWARE AND SYSTEMS MODELING (SoSyM). DOI: 10.1007/s10270-004-0065-y, ISSN: 1619-1374, 2004a.
- [14] CHOREN, R.; LUCENA, C. J. P.. **Agent-Oriented Modeling Using ANote**. PROCEEDINGS OF THE THIRD INTERNATIONAL WORKSHOP ON SOFTWARE ENGINEERING FOR LARGE- SCALE MULTI-AGENT SYSTEMS (SELMAS 2004 - ICSE), pp. 74-80, The IEEE Computer Society, 2004b.
- [15] COMPUTER ASSOCIATES (CA) **CleverPath**, <http://www.ca.com/>. Acessado em 16/02/2005.
- [16] CORKILL, D.; GALLAGHER, K.; JOHNSON, P.. **Achieving Flexibility, Efficiency, and Generality in Blackboard Architectures**. PROCEEDINGS OF THE NATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE (AAAI-87), pp. 18-23, Seattle, Washington, 1987.
- [17] DASH OPTIMIZATION. <http://www.dashoptimization.com>. Acessado em 16/02/2005.
- [18] DELOACH, S. A.. **Multiagent Systems Engineering: a Methodology and Language for Designing Agent Systems**. PROCEEDINGS OF THE FIRST AGENT ORIENTED INFORMATION SYSTEMS WORKSHOP, (AOIS99), Washington, 1999.
- [19] IBM BUSINESS INTELLIGENCE (BI), International Business Machines, <http://www-1.ibm.com/businesscenter/us/solutions/solutionarea.jsp?id=6169>, Acessado em 16/02/2005.
- [20] DO, T.T.; KOLP, M.; HANG HOANG, T.T.; PIROTTE, A.. **A Framework for Design Patterns for Tropos**. PROCEEDINGS OF THE 17TH BRAZILIAN SYMPOSIUM ON SOFTWARE ENGINEERING (SBES 2003), Maunas, Brazil, October 2003.
- [21] DRUCKER, P.. **Além da Revolução da Informação**. HSM MANAGEMENT, Savana, ano 3, n. 18, São Paulo, janeiro-fevereiro 2000.
- [22] DUDA, R. O.; HART, P. E.: **Pattern Classification and Scene Analysis**. John Wiley & Sons, 1973.
- [23] FAYAD, M.; SCHMIDT, D.: **Building Application Frameworks: Object-Oriented Foundations of Design**. First Edition, John Wiley & Sons, 1999.
- [24] FERBER, J.: **Multi-Agent Systems: An Introduction to Distributed Artificial Intelligence**. Addison-Wesley Pub Co, ISBN: 0201360489, 1999.
- [25] FONTOURA, M.F.; HAEUSLER, E.H.; LUCENA, C.J.P. **The Hot-Spot Relationship in OO Framework Design**. MCC33/98, Computer Science Department, PUC-Rio, 1998.

- [26] FIPA (Foundation for Intelligent Physical Agents) **ACL Message Structure**, Specification, <http://www.fipa.org/specs/fipa00061/>. Acessado em 16/02/2005.
- [27] GAMMA, E.; HELM, R.; JOHNSON, R.; VLISSIDES, J.: Design Patterns: Elements of Reusable Object-Oriented Software. Addison-Wesley, 1995.
- [28] GARCIA, A; SARDINHA, J.A.R.P.; LUCENA, C.J.P.; LEITE, J.; MILIDIÚ, R.L.; CASTRO, J.; ROMANOVSKY, A.; GRISS, M.; LEMOS, R.; PERINI, A.. **Software Engineering for Large-Scale Multi-Agent Systems – SELMAS 2003** (Post-Workshop Report), ACM Software Engineering Notes, Vol. 28, Number 6, p.1-1, November 2003.
- [29] GARCIA, A.. **From Objects to Agents: An Aspect-Oriented Approach**. Tese de Doutorado, Departamento de Informática, PUC-Rio, Rio de Janeiro, Brazil, April 2004a.
- [30] GARCIA, A.; KULESZA, U.; SARDINHA, J.A.R.P.; MILIDIÚ, R.L.; LUCENA, C.J.P.. **The Learning Aspect Pattern**. THE 11TH CONFERENCE ON PATTERN LANGUAGES OF PROGRAMS (PLoP2004), Allerton Park, Monticello, Illinios,USA, [http://hillside.net/plop/2004/papers/agarcia0/PLoP2004\\_agarcia0\\_0.pdf](http://hillside.net/plop/2004/papers/agarcia0/PLoP2004_agarcia0_0.pdf), September 8 - 12, 2004b.
- [31] GIUNCHIGLIA, F.; MYLOPOULOS, J.; PERINI, A.. **The tropos software development methodology: processes, models and diagrams**. PROCEEDINGS OF THE FIRST INTERNATIONAL JOINT CONFERENCE ON AUTONOMOUS AGENTS AND MULTIAGENT SYSTEMS, p.35-36, 2002.
- [32] GREENWALD, A.. The 2002 Trading Agent Competition: An Overview of Agent Designs. AI Magazine, April 2003.
- [33] HOWDEN, N.; RONNQUIST, R.; HODGSON, A.; LUCAS, A.. **JACK Intelligent Agents – Summary of an Agent Infrastructure**. SECOND INTERNATIONAL WORKSHOP ON INFRASTRUCTURE FOR AGENTS, MAS, AND SCALABLE MAS, 5<sup>th</sup> International Conference on Autonomous Agents, Canada, 2001.
- [34] HORNGREN, C. T.; FOSTER, G.; DATAR, S. M.. **Cost Accounting – A Managerial Emphasis**. Prentice Hall, Ninth Edition, ISBN: 0-13-232901-8, 1997.
- [35] HUGET, M.-P.. **Generating Code for Agent UML Sequence Diagrams**. PROCEEDINGS OF AGENT TECHNOLOGY AND SOFTWARE ENGINEERING (AgeS), Bernhard Bauer, Klaus Fischer, Jorg Muller and Bernhard Rumpe (eds.), Erfurt, Germany, October 2002.
- [36] KELLER, P.W.; DUGUAY, F.-O.; PRECUP, D.: **RedAgent-2003: An autonomous, market based supply-chain management agent**. PROCEEDINGS OF THE THIRD INTERNATIONAL JOINT CONFERENCE ON AUTONOMOUS AGENTS AND MULTIAGENT SYSTEMS (AAMAS'2004), p.1182-1189, July 2004.
- [37] KENDALL, E.; KRISHNA, P.; PATHAK, C.; SURESH, C.. **A Framework for Agent Systems**. M. Fayad et al. (eds), IMPLEMENTING

APPLICATION FRAMEWORKS – OBJECT-ORIENTED FRAMEWORKS AT WORK, John Wiley & Sons, 1999.

- [38] KICZALES, G. et al.. **Aspect-Oriented Programming**. PROCEEDINGS OF THE EUROPEAN CONFERENCE ON OBJECT-ORIENTED PROGRAMMING - ECOOP'97, LNCS (1241), 1997.
- [39] KIEKINTVELD, C.; WELLMAN, M. P.; SINGH, S.; SONI, V.. **Value-Driven Procurement in the TAC Supply Chain Game**, p.9-18, SIGecom Exchanges, vol.4, 2004.
- [40] KLAUS, D.; FRITSCHI, C.. **LivingAgents Strategy Description**. Technical White Paper, Living Systems, <http://www.living-systems.com/>, 2001.
- [41] KUDENKO, D.; KAZAKOV, D.; ALONSO, E.. **Machine Learning for Agents and Multi-Agent Systems**. Plekhanova, V. (ed.) INTELLIGENT AGENT SOFTWARE ENGINEERING. Idea Group Publishing, 2003.
- [42] LEBART, L.; MORINEAU, A.; PIRON, M.. **Statistique exploratoire multidimensionnelle**, Dunod, Paris, 1997.
- [43] LIVING SYSTEMS & WHITESTEIN TECHNOLOGIES web site. Advanced software agent technologies. <http://www.living-systems.com/pages/index.html>, Acessado em 16/02/2005.
- [44] LUCENA, C.J.P.; SARDINHA, J.A.R.P.; GARCIA, A.F.; CASTRO, J.; ROMANOVSKY, A.; ALENCAR, P.; COWAN, D.. **Software Engineering for Large-Scale Multi-Agent Systems – SELMAS 2003**. PROCEEDINGS OF THE IEEE/ACM INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING (ICSE 2003), p.771 - 772, Portland, USA, May 2003.
- [45] MILIDIU, R.L.; LUCENA, C.J.P.; SARDINHA, J.A.R.P.: **An object-oriented framework for creating offerings**. PROCEEDINGS OF THE 2001 INTERNATIONAL CONFERENCE ON INTERNET COMPUTING (IC2001), p. 119-123, CSREA Press, v.1, June 2001.
- [46] MILIDIU, R.; MELCOP, T.; LIPORACE, F.; LUCENA, C.: **Multi-Agent Strategy for Simultaneous and Related Auctions**. ANAIS DO XXIII CONGRESSO DA SOCIEDADE BRASILEIRA DE COMPUTAÇÃO - IV ENIA, Campinas, SP, Brasil, pp. 597-606, 2003a.
- [47] MILIDIU, R.; MELCOP, T.; LIPORACE, F.; LUCENA, C.: **SIMPLE - A Multi-Agent System for Simultaneous and Related Auctions**. 2003 IEEE/WIC International Conference on Intelligent Agent Technology, Halifax, Canada, pp. 511-515, 2003b.
- [48] MILIDIU, R.; MELCOP, T.; LIPORACE, F.; LUCENA, C.. **Multi-Agent Strategy for Simultaneous and Related Auctions**, pp 155-170, SCIENTIA, vol. 14, nº 2, 2003c.
- [49] MILIDIU, R. L.; RENTERÍA, R. P.. **DPLS and PPLS: two PLS algorithms for large data sets**, p.125-138, COMPUTATIONAL STATISTICS & DATA ANALYSIS, 48, 2005.
- [50] MITCHELL, T. M.. **Machine Learning**. McGraw-Hill, ISBN: 0070428077, 1997.

- [51] PADGHAM, L; WINIKOFF, M.. **Prometheus: A Methodology for Developing Intelligent Agents.** PROCEEDINGS OF THE FIRST INTERNATIONAL JOINT CONFERENCE ON AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS, p.37-38, Italy, 2002a.
- [52] PADGHAM, L; WINIKOFF, M.. **Prometheus: A pragmatic methodology for engineering intelligent agents.** PROCEEDINGS OF THE WORKSHOP ON AGENT-ORIENTED METHODOLOGIES, OOPSLA, Seattle, November 2002b.
- [53] RIBEIRO, P.C.. **Modelagem e Implementação OO de Sistemas Multi-Agentes.** Dissertação de Mestrado, Departamento de Informática, PUC-Rio, 2001.
- [54] ROSENBLATT, F.. **The Perceptron: a probabilistic model for information storage and organization in the brain,** p.386-408, PSYCHOLOGICAL REVIEW, 65, 1959.
- [55] RUSSELL, S.; NORVIG, P.. **Artificial Intelligence.** Prentice Hall, ISBN 0-13-103805-2, 1995.
- [56] SARDINHA, J.A.R.P.. **VGroups – Um framework para grupos virtuais de consumo.** Dissertação de Mestrado, Departamento de Informática – PUC-Rio, March 2001.
- [57] SARDINHA, J.A.R.P.; RIBEIRO, P.C.; LUCENA, C.J.P; MILIDIÚ, R.L.. **An Object-Oriented Framework for Building Software Agents.** Journal of Object Technology, p. 85-97, Vol. 2, No. 1, January - February 2003a.
- [58] SARDINHA, J.A.R.P.; MILIDIÚ, R. L.; LUCENA, C. J. P.; PARANHOS, P. M.. **An OO Framework for building Intelligence and Learning properties in Software Agents.** PROCEEDINGS OF THE 2ND INTERNATIONAL WORKSHOP ON SOFTWARE ENGINEERING FOR LARGE-SCALE MULTI-AGENT SYSTEMS (ICSE 2003), p.30-36, Portland, USA, , May 2003b.
- [59] SARDINHA, J.A.R.P.; CHOREN, R.; MILIDIÚ, R.L.; LUCENA, C.J.P.. **Engineering Machine Learning Techniques into Multi-Agent Systems.** Technical Report, Computer Science Department, PUC-Rio, Brazil. PUC-RioInf.MCC12/04, May 2004a.
- [60] SARDINHA, J.A.R.P.; GARCIA, A.F.; LUCENA, C.J.P.; MILIDIÚ, R.L.. **On the Incorporation of Learning in Open Multi-Agent Systems: A Systematic Approach.** PROCEEDINGS OF THE SIXTH INTERNATIONAL BI-CONFERENCE WORKSHOP ON AGENT ORIENTED INFORMATION SYSTEMS at CAiSE 2004, Riga, Latvia, p. 309-324, Jun 2004b.
- [70] SARDINHA, J.A.R.P.; MILIDIÚ, R.L.; LUCENA, C.J.P.; PARANHOS, P.M.; CUNHA, P.M.. **LearnAgents - A multi-agent system for the TAC Classic.** POSTER SESSION AT THE TRADING AGENT COMPETITION (THE THIRD INTERNATIONAL JOINT CONFERENCE ON AUTONOMOUS AGENTS & MULTI AGENT SYSTEMS), New York, USA, July 2004c.

- [71] SARDINHA, J.A.R.P.; GARCIA, A.F.; MILIDIÚ, R.L.; LUCENA, C.J.P.. **The Agent Learning Pattern.** PROCEEDINGS OF THE FOURTH LATIN AMERICAN CONFERENCE ON PATTERN LANGUAGES OF PROGRAMMING, SugarLoafPLoP'04, Fortaleza, Brazil, <http://sugarloaflop2004.ufc.br/acceptedPapers/index.html>, August 2004d.
- [72] SARDINHA, J.A.R.P.; MILIDIÚ, R.L.; PARANHOS, P.M.; CUNHA, P.M.; LUCENA, C.J.P.. **An Agent Based Architecture for Highly Competitive Electronic Markets.** THE 18TH INTERNATIONAL FLAIRS CONFERENCE (The Florida Artificial Intelligence Research Society). Clearwater Beach, Florida, USA, May 16-18, 2005a.
- [73] SARDINHA, J.A.R.P.; GARCIA, A.F.; LUCENA, C.J.P.; MILIDIÚ, R.L.. **A Systematic Approach for Including Machine Learning in Multi-Agent Systems.** AGENT-ORIENTED INFORMATION SYSTEMS. Revised Selected Papers from Workshop AOIS 2004. Published by Springer-Verlag, Lecture Notes in Artificial Intelligence, May 2005b.
- [74] SARDINHA, J.A.R.P.; CHOREN, R.; SILVA, V.; LUCENA, C.J.P.; MILIDIÚ, R.L.. **A Combined Specification Language and Development Framework for Agent-based Application Engineering.** Technical Report, Computer Science Department, PUC-Rio, Brazil. PUC-RioInf.MCC05/05, February 2005c.
- [75] SEN, S.; WEISS, G.. **Learning in Multiagent Systems.** G. Weiss (ed.), MULTIAGENT SYSTEMS: A MODERN APPROACH TO DISTRIBUTED ARTIFICIAL INTELLIGENCE, The MIT Press, Second printing, 2000.
- [76] SILVA, O.; GARCIA, A.; LUCENA, C.J.P.. **T-Rex: A Reflective Tuple Space Environment for Dependable Mobile Agent Systems.** III WCSF at IEEE MWCN 2001, Recife, Brasil, August 2001.
- [77] SOLVER.COM - FRONTLINE SYSTEMS, Inc.. **Solver Tutorial for Optimization Users.** <http://www.solver.com/tutorial.htm>. Acessado em 16/02/2005.
- [78] STONE, P.; LITTMAN, M.; SINGH, S.; KEARNS, M.. **ATTac-2000: An Adaptative Autonomous Bidding Agent.** JOURNAL OF ARTIFICIAL INTELLIGENCE RESEARCH, p.189-206, 15, 2001.
- [79] STONE, P.; SCHARPIRE, R.; CSIRIK, J.; LITTMAN, M.; MCALLESTER, D.. **ATTac-01: A learning, autonomous bidding agent.** WORKSHOP ON AGENT MEDIATED ELECTRONIC COMMERCE IV: DESIGNING MECHANISMS AND SYSTEMS, 2002.
- [80] TAC web site.: <http://www.sics.se/tac>. Acessado em 16/02/2005.
- [81] TALUKDAR, S.; SACHDEV, S.; CAMPONOGARA, E.. **A Collaboration Strategy for Autonomous, Highly Specialized Agents.** PROCEEDINGS OF THE SPIE, SYMPOSIUM ON INTELLIGENT SYSTEMS & ADVANCED MANUFACTURING, October 1997.
- [82] TELECOM ITALIA LAB JADE, **Java Agent Development Framework Programmer's Guide.** <http://sharon.cselt.it/projects/jade/doc/programmersguide.pdf>, Feb. 2003.

- [83] TSPACES, IBM, <http://www.almaden.ibm.com/cs/TSpaces/> . Acessado em 16/02/2005.
- [84] VETSIKAS, I. A.; SELMAN, B.. **A principled study of the design tradeoffs for autonomous trading agents.** PROCEEDINGS OF THE SECOND INTERNATIONAL JOINT CONFERENCE ON AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS, p.473-480, Melbourne, Australia, July 2003.
- [85] WELLMAN, M. P.; WURMAN, P. R.; O'MALLEY, K.; BANGER, R.; LIN, S.; REEVES, D.; WALSH, W. E.. **Designing the Market Game for a Trading Agent Competition.** IEEE Internet Computing, Vol. 5, No. 2, pp. 43-51, March/April 2001.
- [86] WINSTON, P.H. **Artificial Intelligence.** Addison Wesley, 1992.
- [87] WOOLDRIDGE, M.. **Intelligent Agents.** G. Weiss (ed.), MULTIAGENT SYSTEMS: A MODERN APPROACH TO DISTRIBUTED ARTIFICIAL INTELLIGENCE. The MIT Press, Second printing, 2000.
- [88] WOOLDRIDGE, M.; JENNINGS, N. R.; KINNY, D.. **The Gaia methodology for agent-oriented analysis and design.** JOURNAL DO AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS, p.285-312, v.3, 2000.
- [89] WOLSEY, L. A.. **Integer Programming.** Wiley-Interscience publication. ISBN: 0-471-28366-5. 1998.
- [90] ZAMBONELLI, F.; JENNINGS, N. R.; WOOLDRIDGE, M.. **Developing multiagent systems: the Gaia Methodology.** ACM TRANSACTIONS ON SOFTWARE ENGINEERING AND METHODOLOGY, p.317-370, 12 (3), 2003.