

# Bibliografia Consultada

*“Curiosamente, não se pode ler um livro: pode-se apenas relê-lo. Um bom leitor, um grande leitor, um leitor ativo e criativo é um ‘releitor’”*

Vladimir Nabokov (1899-1977): *Lectures on Literature* (1980) ‘Good Readers and Good Writers’

- Abe, S. (1995), A Method for Fuzzy Rules Extraction Directly from Numerical Data and Its Application to Pattern Classification, *IEEE Transactions on Fuzzy Systems*, Vol. 3, No. 1, 18-28.
- Anderson, J. A., Wisniewski, E. J., and Viscuso, S. R. (1988), Software for Neural Networks, *Computer Architecture News (USA)*, Vol. 16, No. 1, 26-36.
- Angeline, P. J., Saunders, G. M., and Pollack, J. B. (1994), An Evolutionary Algorithm that Constructs Recurrent Neural Networks, *IEEE Transactions on Neural Networks*, Vol. 5, No. 1, 54-65.
- Bäck, T., Hammel, U., and Schwefel, H.-P. (1997), Evolutionary Computation: Comments on the History and Current State, *IEEE Transactions on Evolutionary Computation*, Vol. 1, No. 1, 3-17.
- Benyus, J. M. (1997), *Biomimicry – Innovation Inspired by Nature*, William Morrow and Company, Inc., New York.
- Boskovic, Z. and Takahashi, D. (1998), Scrambling and Last Resort, *Linguistic Inquiry*, Vol. 29, No. 3, 347-366.
- Bratko, I. (1990), *Prolog Programming for Artificial Intelligence – 2<sup>nd</sup>. Edition*, Addison-Wesley, Reading, Massachusetts.
- Brody, M. (1993),  $\theta$ -Theory and Arguments, *Linguistic Inquiry*, Vol. 24, No. 1, 1-23.
- Bullinaria, J. A. and Chater, N. (1995), Connectionist Modeling: Implications for Cognitive Neuropsychology, *Language and Cognitive Processes*, 10 (3/4), 227-264.
- Burr, D. J. (1988), Experiments on Neural Net Recognition of Spoken and Written Text, *IEEE Transactions on Acoustics, Speech, and Signal Processing*, Vol. 36, No. 7, 1162-1168.
- Campe, P. (1995), Semantic Roles, and Grammatical Relations: A Comprehensive Bibliography, *Functions of Language*, 2, 2: 291-292.
- Carneiro, A. J. I., Menandro, A. B., Campos, J. E. e Rosa, J. L. G. (1994), Processamento de Linguagem Natural: Atribuição de Casos aos Constituintes das Sentenças, *Revista do Instituto de Informática da PUC-Campinas*, Vol. 2, No. 1, 55-59.
- Castellano, G., Fanelli, A. M., and Pelillo, M. (1997), An Iterative Pruning Algorithm for Feedforward Neural Networks, *IEEE Transactions on Neural Networks*, Vol. 8, No. 3, 519-531.

- Chomsky, N. (1993), A Minimalist Program for Linguistic Theory, in K. Hale and S. J. Keyser (Eds.), *The View from Building 20: Essays in Linguistics in Honor of Sylvain Bromberger*, Cambridge Massachusetts: MIT Press, 1-52.
- Chomsky, N. (1995), *The Minimalist Program*, Cambridge, Massachusetts: MIT Press.
- Chung, S.-H., Moldovan, D. I., and DeMara, R. F. (1993), A Parallel Computational Model for Integrated Speech and Natural Language Understanding, *IEEE Transactions on Computers*, Vol. 42, No. 10, 1171-1183.
- Church, K. W. and Rau, L. F. (1995), Commercial Applications of Natural Language Processing, *Communications of the ACM*, Vol. 38, No. 11, 71-79.
- Clocksin, W. F. and Mellish, C. S. (1987), *Programming in Prolog – 3<sup>rd</sup>. Edition*, Springer-Verlag, Berlin.
- Collins, A. M. and Loftus, E. F. (1975), A Spreading-Activation Theory of Semantic Processing, *Psychological Review*, Vol. 82, No. 5, 407-428.
- Colmerauer, A. (1985), Prolog in 10 Figures, *Communications of the ACM*, 28(12): 1296-1310.
- Deacon, T. W. (1997), *The Symbolic Species – The Co-evolution of Language and the Brain*, W. W. Norton & Company, New York, London.
- Dell, G. S. (1997), Positive Feedback in Hierarchical Connectionist Models: Applications to Language Production, in D. Waltz and J. A. Feldman (Eds.), *Connectionist Models and their Implications: Readings from Cognitive Science*, Ablex Publishing Corporation, Norwood, New Jersey.
- Dienes, Z. (1992), Connectionist and Memory-array Models of Artificial Grammar Learning, *Cognitive Science*, 16, 41-79.
- Dowty, D., Wall, R., and Peters, S. (1981), *Introduction to Montague Semantics*, D. Reidel, Dordrecht, The Netherlands.
- Dyson, G. B. (1997), *Darwin Among the Machines – The Evolution of Global Intelligence*, Helix Books, Addison-Wesley Publishing Company, Inc.
- Eliot, L. B. (1993), Unnatural Language Processing, *AI Expert*, March, 9-11.
- Erman, L. D., Hayes-Roth, F., Lesser, V. R., and Reddy, D. (1980), The HEARSAY-II Speech-understanding System: Integrating Knowledge to Resolve Uncertainty, *Computing Surveys*, 12(2): 213-253.

- Feldman, J. A. (1982), Dynamic Connections in Neural Networks, *Biological Cybernetics*, 46, 27-39.
- Feldman, J. A. (1988), Connectionist Representation of Concepts, in D. Waltz and J. A. Feldman (Eds.), *Connectionist Models and their Implications: Readings from Cognitive Science*, Ablex Publishing Corporation, Norwood, New Jersey.
- Feldman, J. A. and Ballard, D. H. (1982), Connectionist Models and Their Properties, *Cognitive Science*, 6, 205-254.
- Figueiredo, M. F. (1997), *Redes Neurais Nebulosas Aplicadas em Problemas de Modelagem e Controle Autônomo*, Tese de Doutorado, DCA-FEEC-Unicamp.
- Figueiredo, M., Gomide, F., Rocha, A., and Pedricz, W. (1993), *A Fuzzy Neural Network: Structure and Learning*, Technical Report, DCA-FEEC-Unicamp.
- Fodor, J. A. (1983), *The Modularity of Mind: An Essay on Faculty Psychology*, MIT Press, Cambridge, Massachusetts.
- Fodor, J. D. (1989), Empty Categories in Sentence Processing, *Language and Cognitive Processes*, 4 (3/4) SI 155-209.
- Fogel, D. B. (1993), An Introduction to Simulated Evolutionary Optimization, *IEEE Transactions on Neural Networks*, Vol. 5, No. 1, 3-14.
- Forster, K. I. (1976), Accessing the Mental Lexicon, in R. J. Wales and E. Walker (Eds.), *New Approaches to Language Mechanisms*, Amsterdam: North-Holland.
- Forster, K. I. (1990), Lexical Processing, in D. N. Osherson and H. Lasnik (Eds.), *Language – An Invitation to Cognitive Science, Volume I*, A Bradford Book, The MIT Press.
- Frasconi, P. and Gori, M. (1996), Computational Capabilities of Local-Feedback Recurrent Networks Acting as Finite-State Machines, *IEEE Transactions on Neural Networks*, Vol. 7, No. 6, 1521-1525.
- Frégnac, Y. (1994), Les Mille et Une Vies de la Synapse de Hebb, *La Recherche*, 267, Vol. 25, 788-790.
- Fromkin, V. and Rodman, R. (1993), *An Introduction to Language – 5<sup>th</sup>. Edition*, Harcourt Brace Jovanovich College Publishers.
- Garnham, A. (1985), *Psycholinguistics – Central Topics*, Routledge: London and New York.

- Garnham, A. and Altmann, G. (1995), Parsing in Context: Computational and Psycholinguistic Approaches to Resolving Ambiguity During Sentence Processing, *Language and Cognitive Processes*, 10 (3/4), 377-381.
- Garret, M. F. (1990), Sentence Processing, in D. N. Osherson and H. Lasnik (Eds.), *Language – An Invitation to Cognitive Science – Volume 1*, A Bradford Book, The MIT Press.
- Gudwin, R. R. (1996), Contribuições ao Estudo Matemático de Sistemas Inteligentes, Tese de Doutorado, DCA- FEEC-Unicamp.
- Gupta, P. and Toretzky, D. S. (1994), Connectionist Models and Linguistic Theory: Investigations of Stress Systems in Language, *Cognitive Science*, 18, 1-50.
- Hadley, R. F. (1993), *The 'Explicit-Implicit' Distinction*, Technical Report, School of Computing Science and Cognitive Science Program, Simon Fraser University, Burnaby, B. C., V5A 1S6, Canada, CSS-IS TR93-02.
- Hadley, R. F. (1993), *Systematicity in Connectionist Language Learning*, Technical Report, School of Computing Science and Cognitive Science Program, Simon Fraser University, Burnaby, B. C., V5A 1S6, Canada, to appear: *Mind and Language*.
- Hadley, R. F. and Hayward, M. (1994), *Strong Semantic Systematicity from Unsupervised Connectionist Learning*, Technical Report, School of Computing Science and Cognitive Science Program, Simon Fraser University, Burnaby, B. C., V5A 1S6, Canada, CSS-IS TR94-02.
- Hall, L. O. and Romaniuk, S. G. (1990), A Hybrid Connectionist, Symbolic Learning System, *Proceedings of the AAAI-90*, Boston, 783-788.
- Healy, M. J. and Caudell, T. P. (1997), Acquiring Rule Sets as a Product of Learning in a Logical Neural Architecture, *IEEE Transactions on Neural Networks*, Vol. 8, No. 3, 461-474.
- Henderson, J. (1994), Connectionist Syntactic Parsing Using Temporal Variable Binding, *Journal of Psycholinguistic Research*, Vol. 23, No. 5, 353-379.
- Hendler, J. A. (1989), Marker-passing over Microfeatures: Towards a Hybrid Symbolic/Connectionist Model, *Cognitive Science*, 13, 79-106.
- Hinton, G. E. (1992), How Neural Networks Learn from Experience, *Scientific American*, Vol. 267, No. 3, 105-109.

- Hölldober, S. and Kalinke, Y. (1994), Towards a New Massively Parallel Computational Model for Logic Programming, *Workshop on Combining Symbolic and Connectionist Processing*, ECAI94.
- Ilari, R., Castilho, A. T., Castilho, C. M., Franchi, C., Oliveira, M. A., Elias, M. S., Neves, M. H. M. e Possenti, S. (1990), Considerações sobre a Posição dos Advérbios, in A. T. Castilho (Org.), *Gramática do Português Falado – Volume I: A Ordem*, Editora da Unicamp/Fapesp.
- Kandel, E. R., Schwartz, J. H., and Jessell, T. M. (Eds.), (1991), *Principles of Neural Science – Third Edition*, Elsevier Science Publishing Co., Inc.
- Karayiannis, N. B. and Venetsanopoulos, A. N. (1993), Efficient Learning Algorithms for Neural Networks (ELEANNE), *IEEE Transactions on Systems, Man, and Cybernetics*, Vol. 23, No. 5, 1372-1383.
- Keller, J. M., Yager, R. R., and Tahani, H. (1992), Neural Network Implementation of Fuzzy Logic, *Fuzzy Sets and Systems*, 45, 1-12.
- Klir, G. J. and Folger, T. A. (1988), *Fuzzy Sets, Uncertainty, and Information*, Prentice-Hall.
- Kóczy, L. T. (1996), Fuzzy If ... Then Rule Models and Their Transformation Into One Another, *IEEE Transactions on Systems, Man, and Cybernetics – Part A: Systems and Humans*, Vol. 26, No. 5, 621-637.
- Kohonen, T. (1989), *Self-organization and Associative Memory – 3<sup>rd</sup>. Edition*, Springer-Verlag, Berlin.
- Kosko, B. (1992), *Neural Networks and Fuzzy Systems – A Dynamical Systems Approach to Machine Intelligence*, Prentice-Hall.
- Kovács, Z. L. (1997), *O Cérebro e a sua Mente – Uma Introdução à Neurociência Computacional*, Edição Acadêmica, São Paulo.
- Laurière, J.-L. (1990), *Problem Solving and Artificial Intelligence*, Prentice-Hall.
- Leech, G. (1974), *Semantics*, Penguin Books.
- Lewis, R. L. (1996), Interference in Short-term Memory: The Magical Number Two (or Three) in Sentence Processing, *Journal of Psycholinguistic Research*, Vol. 25, No. 1, 93-115.

- Lima, S. D., Corrigan, R. L., and Iverson, G. K. (Eds.), (1994), *The Reality of Linguistic Rules*, John Benjamins Publishing Company.
- Lippmann, R. P. (1987), An Introduction to Computing with Neural Nets, *IEEE ASSP Magazine*, April, 4-22.
- Maniezzo, V. (1994), Genetic Evolution of the Topology and Weight Distribution of Neural Networks, *IEEE Transactions on Neural Networks*, Vol. 5, No. 1, 39-53.
- Marantz, A. (1995), The Minimalist Program, in G. Webelhuth (Ed.), *Government and Binding Theory and the Minimalist Program*, Blackwell, 349-382.
- Marcus, C. (1986), *Prolog Programming – Applications for Database Systems, Expert Systems, and Natural Language Systems*, Addison-Wesley Publishing Co.
- McDermott, D. (1978), Planning and Acting, *Cognitive Science*, 2, 71-109.
- Mitra, S. and Pal, S. K. (1994), Self-Organizing Neural Network as a Fuzzy Classifier, *IEEE Transactions on Systems, Man, and Cybernetics*, Vol. 24, No. 3, 385-399.
- Mitra, S. and Pal, S. K. (1996), Fuzzy Self-Organization, Inferencing, and Rule Generation, *IEEE Transactions on Systems, Man, and Cybernetics – Part A: Systems and Humans*, Vol. 26, No. 5, 608-620.
- Nie, J. (1995), Constructing Fuzzy Model by Self-Organizing Counterpropagation Network, *IEEE Transactions on Systems, Man, and Cybernetics*, Vol. 25, No. 6, 963-970.
- Ourston, D. and Mooney, R. J. (1990), Changing the Rules: A Comprehensive Approach to Theory Refinement, *Proceedings of the AAAI-90*, Boston, 815-820.
- Pedrycz, W., Lam, P. C. F., and Rocha, A. (1995), Distributed Fuzzy System Modeling, *IEEE Transactions on Systems, Man, and Cybernetics*, Vol. 25, No. 5, 769-780.
- Pereira, F. C. N. (1985), A New Characterization of Attachment Preferences, in D. R. Dowty, L. Karttunen, and A. M. Zwicky (Eds.), *Natural Language Parsing – Psychological, Computational, and Theoretical Perspectives*, Cambridge University Press.
- Pylyshyn, Z. W. (1989), Computing in Cognitive Science, in M. I. Posner (Ed.), *Foundations of Cognitive Science*, A Bradford Book, The MIT Press, 51-91.
- Rager, J. and Berg, G. (1992), A Connectionist Model of Motion and Government in Chomsky's Government-binding Theory, in N. Sharkey (Ed.), *Connectionist Natural Language Processing – Readings from Connection Science*, Kluwer Academic Publishers, Dordrecht/Boston/London.

- Rocha, A. F. (1997), The Brain as a Symbol-processing Machine, *Progress in Neurobiology*, Vol. 53, 121-198.
- Rocha, A., Françoço, E., Hadler, M. I., and Balduino, M. A. (1980), Neural Languages, *Fuzzy Sets and Systems*, 3, 11-35.
- Romariz, A. R. S. (1995), *Representação e Aquisição de Regras em Sistemas Conexionistas*, Tese de Doutorado, DCA-FEEC-Unicamp.
- Rosa, J. L. G. (1997), Parser: Um Analisador Sintático e Semântico para Sentenças do Português, *Estudos Lingüísticos XXVI*, Unicamp, Campinas, SP, Brasil, 353-357.
- Rosa, J. L. G. (1998), O Significado da Palavra para o Processamento de Linguagem Natural, *Estudos Lingüísticos XXVII*, Unesp-IBILCE, São José do Rio Preto, SP, Brasil, 807-812.
- Rosa, J. L. G. e Netto, M. L. A. (1993), Processamento de Linguagem Natural – Uma Abordagem Conexionista, *Revista do Instituto de Informática da PUC-Campinas*, Vol. 1, No. 1, 9-15.
- Rowe, N. C. (1988), *Artificial Intelligence Through Prolog*, Prentice Hall.
- Rumelhart, D. E. and McClelland, J. L. (1986), On Learning the Past Tense of English Verbs, in J. L. McClelland and D. E. Rumelhart (Eds.), *Parallel Distributed Processing – Explorations in the Microstructure of Cognition, Vol. 2: Psychological and Biological Models*, A Bradford Book, The MIT Press.
- Schyns, P. G. (1991), A Modular Neural Network Model of Concept Acquisition, *Cognitive Science*, 15, 461-508.
- Setiono, R. and Liu, H. (1997), Neural-Network Feature Selector, *IEEE Transactions on Neural Networks*, Vol. 8, No. 3, 654-662.
- Shavlik, J. W., Mooney, R. J., and Towell, G. G. (1991), Symbolic and Neural Learning Algorithms: An Experimental Comparison, *Machine Learning*, 6, 111-143.
- Smeaton, A. F. (1992), Progress in the Application of Natural Language Processing to Information Retrieval Tasks, *The Computer Journal*, Vol. 35, No. 3, 268-278.
- Stabler Jr., E. P. (1992), *The Logical Approach to Syntax – Foundations, Specifications, and Implementations of Theories of Government and Binding*, A Bradford Book, The MIT Press.



- Stabler Jr., E. P. (1992), Avoid the Pedestrian's Paradox, in R. C. Berwick, S. P. Abney, and C. Tenny (Eds.), *Principle-Based Parsing: Computation and Psycholinguistics*, Kluwer Academic Publishers.
- Steedman, M. J. (1989), Grammar, Interpretation, and Processing from the Lexicon, in W. Marslen-Wilson (Ed.), *Lexical Representation and Process*, A Bradford Book, The MIT Press.
- Stone, G. O. (1994), Combining Connectionist and Symbolic Properties in a Single Process, in S. D. Lima, R. L. Corrigan, and G. K. Iverson (Eds.), *The Reality of Linguistic Rules*, John Benjamins Publishing Company, Amsterdam/ Philadelphia.
- Swinney, D. A. (1979), Lexical Access During Sentence Comprehension: (Re)Consideration of Context Effects, *Journal of Verbal Learning and Verbal Behavior*, December, 269-276.
- Tanenhaus, M. K., Carlson, G., and Trueswell, J. C. (1989), The Role of Thematic Structures in Interpretation and Parsing, *Language and Cognitive Processes*, 4 (3/4), SI 211-234.
- Webelhuth, G. (1995), X-bar Theory and Case Theory, in G. Webelhuth (Ed.), *Governement and Binding Theory and the Minimalist Program*, Blackwell, 15-95.
- Winston, P. H. (1992), *Artificial Intelligence – 3<sup>rd</sup>. Edition*, Addison-Wesley, Reading, Massachusetts.
- Yao, X. and Liu, Y. (1997), A New Evolutionary System for Evolving Artificial Neural Networks, *IEEE Transactions on Neural Networks*, Vol. 8, No. 3, 694-713.
- Zeng, Z., Goodman, R. M., and Smyth, P. (1994), Discrete Recurrent Neural Networks for Grammatical Inference, *IEEE Transactions on Neural Networks*, Vol. 5, No. 2, 320-330.
- Zurif, E. B. (1990), Language and the Brain, in D. N. Osherson and H. Lasnik (Eds.), *Language – An Invitation to Cognitive Science – Volume 1*, The MIT Press.