

## João Luís Garcia Rosa

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### *Curriculum Vitae*

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INTERESSES DE PESQUISA      Interfaces cérebro-computador (BCI), redes neurais artificiais, modelos conexionistas biologicamente plausíveis.

FORMAÇÃO      **University of Memphis - U of M**, Memphis, TN, USA

Pós-Dr., Neurociência Computacional, Outubro 2013

- Título do Projeto: “Modelos Computacionais de Cérebro Baseados em Populações Neurodinâmicas no Nível Mesoscópico”
- Supervisor: Robert Kozma
- Computational Neurodynamics Laboratory (CNL). Center for Large Scale Integrated Optimization & Networks (CLION). FedEx Institute of Technology

**Universidade Estadual de Campinas - Unicamp**, Campinas, São Paulo

Dr., Linguística Computacional, Junho 1999

- Título da Tese: “Um sistema simbólico-conexionista para processamento de papéis temáticos”
- Orientador: Edson Françaço (DL-IEL)
- Co-orientador: Márcio Luiz de Andrade Netto (DCA-FEEC)
- Banca Examinadora: Márcia Maria Cançado Lima (UFMG), Fernando Antonio Campos Gomide (FEEC-Unicamp), Plínio Almeida Barbosa (IEL-Unicamp), Eleonora Cavalcante Albano (IEL-Unicamp)

M.S., Engenharia Elétrica, Inteligência Artificial, Setembro 1993

- Título da Dissertação: “Redes Neurais e Lógica Formal no Processamento de Linguagem Natural”
- Orientador: Márcio Luiz de Andrade Netto (DCA-FEEC)
- Banca Examinadora: Edson Françaço (IEL-Unicamp), Fernando Antonio Campos Gomide (FEEC-Unicamp)

Graduação, Engenharia Elétrica, Eletrônica e Automação, Dezembro 1983

EXPERIÊNCIA ACADÊMICA      **Universidade de São Paulo (USP) - campus de São Carlos - Departamento de Ciências de Computação (ICMC)**, São Carlos, São Paulo

*Professor e Pesquisador*

**Agosto, 2008 - presente**

Disciplinas em nível de pós-graduação para Ciência da Computação e Matemática Computacional (mestrado e doutorado): **Teoria da Computação, Redes Neurais**. Pesquisa e orientação.

Disciplinas em nível de graduação para Ciência da Computação, Engenharia de Computação e Sistemas de Informação: **Teoria da Computação e Linguagens Formais, Redes Neurais, Teoria da Computação e Compiladores.** Pesquisa e orientação.

**Pontifícia Universidade Católica de Campinas - PUC-Campinas**, Campinas, São Paulo

*Professor e Pesquisador*

**Setembro, 1987 - Julho, 2008**

Disciplinas em nível de pós-graduação para Sistemas de Computação (mestrado): **Sistemas Inteligentes, Redes Neurais Artificiais, Processamento de Linguagem Natural.** Pesquisa e orientação.

Disciplinas em nível de graduação em Engenharia de Computação e Análise de Sistemas: **Algoritmos e Programação de Computadores, Inteligência Artificial, Linguagens Formais e Autômatos, e Estruturas de Dados.** Pesquisa e orientação.

**Universidade Católica de Santos - UniSantos**, Santos, São Paulo

*Professor e Pesquisador*

**Março, 2000 - Dezembro, 2003**

Disciplinas em nível de pós-graduação para Informática (mestrado): **Tecnologia da Informação - Inteligência Artificial, Sistemas Inteligentes, Inteligência Artificial Aplicada a Educação, Redes Neurais Artificiais.** Pesquisa e orientação.

**Universidade Estadual de Campinas - Unicamp**, Campinas, São Paulo

*Aluno de graduação*

**Agosto, 1981 - Julho, 1983**

Programa de Iniciação Científica em projetos da Engenharia Biomédica (com bolsa CNPq).

#### PROJETOS DE PESQUISA

*Projeto de Pesquisa Atual:* “Interfaces Cérebro-Computador baseadas em Propriedades Dinâmicas de Populações de Neurônios.”

*Projetos Anteriores:* “Modelos de Redes Neurais Biologicamente Plausíveis Baseados em Neurodinâmica,” “Uso de Técnicas de Aprendizado de Máquina e Linguística Computacional para Tratamento de Textos,” “Estudo de Representação Semântica Lexical e Ontologias para Recuperação de Informação Textual através de Técnicas de Aprendizado de Máquina,” “Estudo e implementação de Novos Algoritmos para Inserção e Extração de Regras Simbólicas em Arquiteturas Conexionistas Biologicamente Plausíveis,” “Implementação de Sistemas Híbridos Simbólico-Conexionistas para o Processamento de Linguagem Natural,” “Estudo e Implementação de Algoritmos e Arquiteturas Conexionistas Biologicamente Plausíveis para o Processamento de Linguagem Natural.”

#### PUBLICAÇÕES

Carneiro M. G., **Rosa, J. L. G.**, Lopes, A. A., and Zhao, L. (2014), “Network-Based Data Classification: Combining K-Associated Optimal Graphs and High Level Prediction.” Artigo aceito no *Journal of the Brazilian Computer Society*, Springer.

**Rosa, J. L. G.** (2014), Review on “Weighted graph comparison techniques for brain connectivity analysis,” Alper B., Bach B., Henry Riche N., Isenberg T., Fekete J. Human Factors in Computing Systems, Paris, France, 483-492, 2013. Type: Article. Date Reviewed: Mar 18 2014. *Computing Reviews* (ACM).

Piazzentin, D. R. M. and **Rosa, J. L. G.** (2014), “Motor imagery classification for Brain-

Computer Interfaces through a chaotic neural network,” *Proceedings of the IJCNN 2014 International Joint Conference on Neural Networks*, IEEE World Congress on Computational Intelligence (IEEE WCCI), Beijing, China, July 6-11, 2014 (*aceito*).

Carlos Junior, L. F. M. and **Rosa, J. L. G. (2014)**, “Face Recognition through a Chaotic Neural Network Model,” *Proceedings of the IJCNN 2014 International Joint Conference on Neural Networks*, IEEE World Congress on Computational Intelligence (IEEE WCCI), Beijing, China, July 6-11, 2014 (*aceito*).

Schneider, M. O. and **Rosa, J. L. G. (2014)**, “A Connectionist Approach to Airliner Safety,” *Proceedings of the IJCNN 2014 International Joint Conference on Neural Networks*, IEEE World Congress on Computational Intelligence (IEEE WCCI), Beijing, China, July 6-11, 2014 (*aceito*).

Fonseca, E. R. and **Rosa, J. L. G. (2013)**, “Mac-Morpho Revisited: Towards Robust Part-of-Speech Tagging,” *Proceedings of STIL 2013 - The 9th Brazilian Symposium in Information and Human Language Technology*, Fortaleza/Ceará, Oct 21-23, 2013.

Kozma, R, **Rosa, J. L. G.** and Piazzentin, D. R. M. (2013), “Cognitive Clustering Algorithm for Efficient Cybersecurity Applications,” *Proceedings of the IJCNN 2013 International Joint Conference on Neural Networks*, Dallas, TX, Aug 4-9, 2013, pp. 471–478.

Fonseca, E. R. and **Rosa, J. L. G. (2013)**, “A Two-Step Convolutional Neural Network Approach for Semantic Role Labeling,” *Proceedings of the IJCNN 2013 International Joint Conference on Neural Networks*, Dallas, TX, Aug 4-9, 2013, pp. 2955–2961.

Carlos Jr, L. F. M. and **Rosa, J. L. G. (2013)**, “Face Recognition Using a Connectionist Model Based on Neuron Population,” abstract and presentation at *CyberSci Summit 2013*, Washington, DC, 25 and 26 Jun 2013. <https://www.icfi.com/events/conferences-and-trade-shows/2013/06/cybersci-summit-2013>.

Kozma, R, **Rosa, J. L. G.** and Piazzentin, D. R. M. (2013), “Analyzing Social Networking Data Using a Cognitively Motivated Clustering Algorithm,” abstract and presentation at *CyberSci Summit 2013*, Washington, DC, 25 and 26 Jun 2013. <https://www.icfi.com/events/conferences-and-trade-shows/2013/06/cybersci-summit-2013>.

Silva, A. B. and **Rosa, J. L. G. (2013)**, “Biological Plausibility in an Artificial Neural Network Applied to Cognitive Task,” *Artificial Intelligence and Soft Computing: 12th International Conference, ICAISC 2013*, Zakopane, Poland, Jun 9-13, 2013, Proceedings, Part I / Lecture Notes in Artificial Intelligence, Leszek Rutkowski (Editor), Marcin Korytkowski (Editor), Rafal Scherer (Editor), Ryszard Tadeusiewicz (Editor), Lotfi A. Zadeh (Editor), Jacek M. Zurada (Editor), LNAI 7893, pp. 183–192.

**Rosa, J. L. G. (2013)**, “Biologically Plausible Artificial Neural Networks” (chapter 2) in Kenji Suzuki (ed.), *Artificial Neural Networks - Architectures and Applications*, ISBN 978-953-51-0935-8, Publisher: InTech.

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Portuguese: A Benchmark,” in J. Pavón et al. (Eds.): *IBERAMIA 2012, LNAI 7637*, pp. 481–490, 2012. Springer-Verlag Berlin Heidelberg 2012. Cartagena de Indias, Colombia, 13-16 Nov 2012. DOI 10.1007/978-3-642-34654-5\_49

Carneiro, M. G., **Rosa, J. L. G.**, Lopes, A. A., Zhao, L. (2012), “Classificação de Alto Nível Utilizando Grafo K-associados Ótimo,” in: *4th International Workshop on Web and Text Intelligence*, 2012, Curitiba, Brazil. Proceedings of the 4th International Workshop on Web and Text Intelligence, 2012. v. 1. p. 1–10.

**Rosa, J. L. G.** (2012), Preface of book *Organização Básica de Computadores e Linguagem de Montagem*, authors: R. Pannain, F. H. Behrens e D. Piva Jr., Elsevier. ISBN-13 978-85-352-5021-3. 2012.

**Rosa, J. L. G.** (2012), Review on “Taxonomy induction based on a collaboratively built knowledge repository,” Ponzetto S., Strube M. *Artificial Intelligence* 175 (9-10): 1737-1756, 2011. Type: Article. Date Reviewed: Aug 28 2012. *Computing Reviews* (ACM).

Fonseca, E. and **Rosa, J. L. G.** (2012), “An Architecture for Semantic Role Labeling on Portuguese,” in H. Caseli et al. (Eds.): *PROPOR 2012, LNAI 7243*, pp. 204–209. Springer, Heidelberg (2012). *PROPOR 2012, Intl. Conf. on Computational Processing of Portuguese* in Coimbra, Portugal, Apr 17-20, 2012.

Alva-Manchego, F. E. and **Rosa, J. L. G.** (2012), “Towards Semi-supervised Brazilian Portuguese Semantic Role Labeling: Building a Benchmark,” in H. Caseli et al. (Eds.): *PROPOR 2012, LNAI 7243*, pp. 210–217. Springer, Heidelberg (2012). *PROPOR 2012 - Intl. Conf. on Computational Processing of Portuguese* in Coimbra, Portugal, Apr 17-20, 2012.

Jordão, C. C. and **Rosa, J. L. G.** (2012), “Metaphone-pt\_BR: the phonetic importance on search and correction of textual information,” in Alexander Gelbukh (Ed.), *Computational Linguistics and Intelligent Text Processing - 13th Intl. Conf., CICLing 2012*, New Delhi, India, Mar 11-17, 2012. Proc., Part II. *Lecture Notes in Computer Science* 7182, pp. 297–305.

**Rosa, J. L. G.** (2012), Review on “An improved training algorithm for feedforward neural network learning based on terminal attractors,” Yu X., Wang B., Batbayar B., Wang L., Man Z. *Journal of Global Optimization* 51(2): 271-284, 2011. Type: Article. Date Reviewed: May 10 2012. *Computing Reviews* (ACM).

**Rosa, J. L. G.** (2011), *Fundamentos da Inteligência Artificial*, ISBN 9788521605935. Editora LTC, Rio de jan, 228 páginas.

Schneider, M. O. and **Rosa, J. L. G.** (2011), “CARESS1 - Commercial Airliner Emergency Safety System,” in *Proc. of ICINCO - 8th Intl. Conf. on Informatics in Control, Automation and Robotics* 2011, 28-31 Jul, Noordwijkerhout, The Netherlands, pp 223-226.

Silva, A. B. and **Rosa, J. L. G.** (2011), “Advances on Criteria for Biological Plausibility in Artificial Neural Networks: Think of Learning Processes,” in *Proc. of IJCNN 2011 -*

*Intl. Joint Conf. on Neural Networks*, San Jose, CA, USA, Jul 31 - Aug 5, pp. 1394-1401.

**Rosa, J. L. G. (2011)**, Review on “Extracting person names from diverse and noisy OCR text,” Packer T., Lutes J., Stewart A., Embley D., Ringger E., Seppi K., Jensen L. AND 2010 (Proc. of the 4th Workshop on Analytics for Noisy Unstructured Text Data, Toronto, ON, Canada, Oct 26, 2010) 19-26. 2010. Type: Proc. [http://www.reviews.com/review/review\\_review.cfm?review\\_id=138942](http://www.reviews.com/review/review_review.cfm?review_id=138942). Date Reviewed: Mar 31 2011. *Computing Reviews* (ACM).

**Rosa, J. L. G.** and Adán-Coello, J. M. (2010), “Biologically Plausible Connectionist Prediction of Natural Language Thematic Relations,” *Journal of Universal Computer Science*, J.UCS vol. 16, no. 21 (2010), pp. 3245-3277. ISSN 0948-6968.

**Rosa, J. L. G. (2010)**, *Linguagens Formais e Autômatos* (Formal Languages and Automata), book in Portuguese, Editora LTC, GEN - Grupo Editorial Nacional, Rio de Janeiro, Brazil, ISBN 9788521617518, 166 pages.

**Rosa, J. L. G. (2010)**, “Biologically Plausible Connectionist Prediction of Natural Language Thematic Relations,” *Proceedings of the WCCI 2010 - 2010 IEEE World Congress on Computational Intelligence, IJCNN 2010 - International Joint Conference on Neural Networks*, July 18-23, 2010. Centre de Convencions Internacional de Barcelona, Barcelona, Spain. IEEE Conference Proceedings, pp. 1127–1134.

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**Rosa, J. L. G. (2010)**, Review on “Text-to-speech synthesis” Taylor P., Cambridge University Press, New York, NY, 2009. 626 pp. Type: Book. [http://www.reviews.com/review/review\\_review.cfm?review\\_id=137759](http://www.reviews.com/review/review_review.cfm?review_id=137759). Date Reviewed: Feb 26 2010.

**Rosa, J. L. G. (2009)**, Review on “Why are wordnets important?” Vincze V., Szarvas G., Csirik J. European computing conference (Proc. of the 2nd European Computing Conference, Malta, Sep 11-13, 2008) 316-322. 2008. Type: Proceedings. [http://www.reviews.com/review/review\\_review.cfm?review\\_id=137273](http://www.reviews.com/review/review_review.cfm?review_id=137273). Date Reviewed: Sep 3 2009.

**Rosa, J. L. G. (2009)**, Review on “A linguistically motivated model for speed and pausing in animations of American sign language,” Huenerfauth M. *ACM Transactions on Accessible Computing (TACCESS)* 2: (2): 1-31, 2009. Type: Article. <http://www.reviews.com/index.cfm>. Date Reviewed: Sep 1 2009.

**Rosa, J. L. G. (2009)**, A Hybrid Symbolic-Connectionist Processor of Natural Language Semantic Relations, *Proceedings of the 2009 IEEE Workshop on Hybrid Intelligent Models and Applications (HIMA2009), IEEE Symposium Series on Computational Intelligence, IEEE SSCI 2009*, March 30 - April 2, 2009. Sheraton Music City Hotel, Nashville, TN, USA, pp. 64–71. IEEE Conference Proceedings.

Schneider, M. O. and **Rosa, J. L. G. (2009)**, Application and Development of Biologically Plausible Neural Networks in a Multiagent Artificial Life System. **Neural Computing & Applications**, vol. 18, number 1, pp. 65-75. DOI 10.1007/s00521-007-0156-0.

Orrú, T., **Rosa, J. L. G.**, and Andrade Netto, M. L. (2008), SABio: A Biologically Plausible Connectionist Approach to Automatic Text Summarization. **Applied Artificial Intelligence**, Vol 22, nro. 9, pp. 896–920. Taylor & Francis. ISSN 0883-9514.

Silva, A. B. and **Rosa, J. L. G. (2008)**, Biological Plausibility in Artificial Neural Networks: An Improvement on Earlier Models, *Proceedings of The Seventh International Conference on Machine Learning and Applications (ICMLA'08)*, 11-13 Dec. 2008, San Diego, California, USA. IEEE Computer Society Press, pp. 829–834.

Schneider, M. O. and **Rosa, J. L. G. (2007)**, A Neurogenetic Framework for Problem Solution Applied to a Game Situation, in *Anais do VI Simpósio Brasileiro de Jogos para Computador e Entretenimento Digital (SBGAMES 2007)*. November, 7-9, 2007. São Leopoldo - RS, Brazil.

Marin, A., Adán-Coello, J. M., **Rosa, J. L. G.**, Tobar, C. M., and Freitas, R. L. (2007), Personalized Web page filtering using a Hopfield neural network. In J. Marques de Sá et al. (Eds.): ICANN, Part II, LNCS 4669, pp. 417–424, 2007. The 17<sup>th</sup> Intl. Conf. on Artificial Neural Networks, ICANN 2007, September 9-13, Porto, Portugal. *Lecture Notes in Computer Science*. DOI 10.1007/978-3-540-74695-9\_43.

**Rosa, J. L. G. (2007)**, A Connectionist Thematic Grid Predictor for Pre-parsed Natural Language Sentences, in D. Liu, S. Fei, Z. Hou, H. Zhang, and C. Sun (Eds.), *Advances in Neural Networks - ISNN2007 - Lecture Notes in Computer Science*, Volume 4492, Part II, pp. 825-834. Springer-Verlag Berlin Heidelberg, 2007. Fourth Intl. Symposium on Neural Networks, Nanjing, China, June 3-7, 2007, Proc. DOI 10.1007/978-3-540-72393-6\_99.

Adán Coello, J. M.; Tobar Toledo, C. M.; **Rosa, J. L. G.**; and Freitas, R. L. (2007), Towards the Educational Semantic Web (Chapter VII), in F. M. Mendes Neto and F. V. Brasileiro (Eds.), *Advances in Computer-Supported Learning*, pp. 145-172. Information Science Publishing. Idea Group Inc.

Silva, A. B. and **Rosa, J. L. G. (2006)**, A Connectionist Model based on Physiological Properties of the Neuron, in Proc. of the Intl. Joint Conf. IBERAMIA/SBIA/SBRN 2006 - 1<sup>st</sup> *Workshop on Computational Intelligence (WCI'2006)*, Ribeirão Preto, Brazil, October 23-28, 2006. CD-ROM. ISBN 85-87837-11-7.

Orrú, T.; **Rosa, J. L. G.**; Andrade Netto, M. L. (2006), SABio: An Automatic Portuguese Text Summarizer through Artificial Neural Networks in a more Biologically Plausible Model, in R. Vieira et al. (Eds.), LNAI 3960 - Computational Processing of the Portuguese Language - 7<sup>th</sup>. International Workshop, PROPOR 2006, *Lecture Notes in Computer Science*, volume 3960, pp. 11-20, Itatiaia, Brazil, May 2006 Proc. Publisher: Springer-Verlag.

Joaquim, P. C. E. and **Rosa, J. L. G. (2005)**, Artificial Neural Networks for Temporal Processing Applied to Prediction of Electric Energy Generation in Small Hydroelectric

Power Stations, in *Proc. of the IJCNN 2005 - Intl. Joint Conf. on Neural Networks*, Montréal, Canada, July, 31-August, 04, 2005. pp. 2625-2630.

Schneider, M. O. and **Rosa, J. L. G. (2005)**, BIOANT - Biologically Plausible Computer Simulation of an Environment with Ants, in *Proc. of the IJCNN 2005 - Intl. Joint Conf. on Neural Networks*, Montréal, Canada, July, 31-August, 04, 2005. pp. 1505-1510.

**Rosa, J. L. G.** and Silva, A. B. (2004), Thematic Role Assignment through a Biologically Plausible Symbolic-connectionist Hybrid System, in *Proc. of the IJCNN 2004 - Intl. Joint Conf. on Neural Networks*, Vol. 2, pp. 1457-1462. Budapest, Hungary, July 25-29, 2004.

**Rosa, J. L. G. (2004)**, A Biologically Motivated and Computationally Efficient Natural Language Processor, in *Lecture Notes in Computer Science*. Vol. 2972 / 2004. MICAI 2004: Advances in Artificial Intelligence: Third Mexican Intl. Conf. on Artificial Intelligence, Mexico City, Mexico, April 26-30, 2004. Proc., pp. 390-399. Springer-Verlag Heidelberg.

**Rosa, J. L. G. (2003)**, A Biologically Plausible and Computationally Efficient Architecture and Algorithm for a Connectionist Natural Language Processor, in *Proc. of the 2003 IEEE Intl. Conf. on Systems, Man, and Cybernetics - IEEE-SMC'03*. 05-08 October, 2003. Washington, D.C., USA, pp. 2845-2850.

Schneider, M. O. and **Rosa, J. L. G. (2003)**, Neural Labyrinth Robot - Finding the Best Way in a Connectionist Fashion, *IV Encontro Nacional de Inteligência Artificial (ENIA)*, Anais do XXIII Congresso da Sociedade Brasileira de Computação - Campinas, São Paulo, Brazil, August 2-8, 2003. pp. 1751-1760.

Schneider, M. O. and **Rosa, J. L. G. (2003)**, BIOANT - A Biologically Plausible Approach to an Insect Simulation, *Intl. Conf. on Bioinformatics and Computational Biology (IcoBiCoBi'03)*, Ribeirão Preto, SP - Brazil, May 14-16.

**Rosa, J. L. G. (2002)**, A Biologically Inspired Connectionist System for Natural Language Processing, in *Proc. of the 2002 VII Brazilian Symposium on Neural Networks (SBRN 2002)*. November 11-14, 2002. Recife, Brazil. IEEE Computer Society Press, pp. 243-248.

Schneider, M. O. and **Rosa, J. L. G. (2002)**, Neural Connect 4 - A Connectionist Approach to the Game, in *Proc. of the 2002 VII Brazilian Symposium on Neural Networks (SBRN 2002)*. November 11-14, 2002. Recife, Brazil. IEEE Computer Society Press, pp. 236-241.

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**Rosa, J. L. G. (2001)**, An Artificial Neural Network Model Based on Neuroscience: Looking Closely at the Brain, in V. Kůrková, N. C. Steele, R. Neruda, and M. Kárný (Eds.), *Artificial Neural Nets and Genetic Algorithms - Proc. of the Intl. Conf. in Prague, Czech Republic, 2001 - ICANNGA-2001*. April 22-25, 2001. Springer-Verlag, pp. 138-141.

Tobar Toledo, C. M.; **Rosa, J. L. G.**; Adán Coello, J. M.; Pannain, R. (2001), A Collaborative Environment Architecture for Programming Learning (*in Portuguese*), in *Anais do XII SBIE-2001 - Simpósio Brasileiro de Informática na Educação*, November, 21-23, 2001, Vitória, ES, Brazil, 244-252.

**Rosa, J. L. G.** and Françaço, E. (2000), Linguistic Relations Encoding in a Symbolic-Connectionist Hybrid Natural Language Processor, in M. C. Monard and J. S. Sichman (Eds.), *Lecture Notes in Computer Science - Vol. 1952 / 2000*, Advances in Artificial Intelligence, Proc. of IBERAMIA-SBIA 2000, Atibaia, São Paulo, Brazil, November 19-22, 2000, pp. 259-268, Springer-Verlag Heidelberg.

**Rosa, J. L. G.** and Françaço, E. (1999), Hybrid Thematic Role Processor: Symbolic Linguistic Relations Revised by Connectionist Learning, in *Proc. of IJCAI'99 - 16<sup>th</sup>. Intl. Joint Conf. on Artificial Intelligence*, Stockholm, Sweden, July 31-August 6, 1999. Vol. 2, pp. 852-857.

**Rosa, J. L. G. (1998)**, The Word Meaning in Natural Language Processing (*in Portuguese*), **Estudos Lingüísticos XXVII**, UNESP-IBILCE, São José do Rio Preto, SP, Brazil, June, 807-812.

**Rosa, J. L. G.** and Françaço, E. (1998), A Biologically Fine-grained Artificial Neural Network: Towards a Hybrid Model, *Proc. of the IASTED Intl. Conf. on Artificial Intelligence and Soft Computing*, May 27-30, Cancún, Mexico, 302-305.

**Rosa, J. L. G. (1997)**, A Thematic Connectionist Approach to Portuguese Language Processing, *Proc. of the IASTED Intl. Conf. on Artificial Intelligence and Soft Computing*, July 27-August 1, Banff, Canada, 240-243.

**Rosa, J. L. G. (1997)**, Parser: A Syntactic and Semantic Analyser for Portuguese Sentences (*in Portuguese*), **Estudos Lingüísticos XXVI**, Campinas, Brazil, 352-357.

ASSESSORIAS,  
MEMBRO DE  
COMITÊS E  
REVISOR AD HOC

- *Assessor FAPESP*, desde Out/2010.
- *Assessor CAPES*, desde Mar/2014.
- Revisor do *Journal of the Brazilian Society of Mechanical Sciences and Engineering*. Springer, desde Mar/2014.
- *Revisor do IJCNN 2014 - International Joint Conference on Neural Networks 2014*, Beijing, China, 6 to 11/07/2014.



- Membro do *Program Committee for PROPOR 2014*, the International Conference on Computational Processing of Portuguese, São Carlos, SP, Brazil, Oct/2014.
- Membro do *program committee of V International Workshop on Web and Text Intelligence* (WTI - 2013), Oct 20, 2013 - Fortaleza, Ceará, Brazil.
- Membro do *program committee of CBIC - 11th Brazilian Congress (CBIC) on Computational Intelligence* - Recife, Brazil. 'Porto de Galinhas' Beach, Sep, 8th-11th, 2013.
- *Revisor do IJCNN 2013* - International Joint Conference on Neural Networks 2013, Dallas, TX, USA, 4 to 9/08/2013.
- *Revisor do BICS 2013* - International Conference on Brain Inspired Cognitive Systems, Beijing, China, 9 to 11/06/2013.
- *Revisor de Neural Networks*. Published by Elsevier Science, desde Feb/2008.
- *Revisor do IEEE Symposium Series on Computational Intelligence 2013* (SSCI 2013), Grand Copthorne Waterfront Hotel, Singapore, Apr 15-19, 2013.
- *Reviewer Board Member da International Journal of Applied Intelligence*. Published by Springer, desde Aug/2012.
- Membro do *program committee of IV International Workshop on Web and Text Intelligence* (WTI - 2012), Curitiba - PR, Brazil, 21/10/2012.
- Membro do *program committee of ELC 2012* - XI Encontro de Linguística de Corpus, São Carlos - SP, Brazil, 13 to 15/09/2012.
- Membro do *Technical Program Committee for PROPOR 2012*, the International Conference on Computational Processing of Portuguese, Coimbra, Portugal, Apr/2012.
- *Revisor do IEEE Transactions on Neural Networks*. Published by IEEE Computational Intelligence Society. ISSN 1045-9227, desde Apr/2011.
- *Revisor do Revista SBA: CONTROLE & AUTOMAÇÃO*. Scientific periodical of Sociedade Brasileira de Automática (SBA), ISSN 0103-1759, desde Apr/2011.
- Membro do Program committee of the 8<sup>th</sup>. *Brazilian Symposium in Information and Human Language Technology* (STIL 2011), October 24-26 2011, Federal University of Mato Grosso, Cuiaba, MT, Brazil.
- Revisor da *RITA - Revista de Informática Teórica e Aplicada*, ISSN 2175-2745, desde janeiro 2011.
- Revisor do *IJCNN 2011 - International Joint Conference on Neural Networks 2011*, San Jose, California, USA, July 31-August 5, 2011.
- Membro do Program committee of *III International Workshop on Web and Text Intelligence* (WTI - 2010), São Bernardo do Campo - São Paulo, Brazil, October 23-29 2010.
- Membro do *COGNITIVE 2010 Technical Program Committee - The Second International Conference on Advanced Cognitive Technologies and Applications* - COGNITIVE 2010. November 21-26, 2010 - Lisbon, Portugal.
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