

Leandro Maciel Almeida
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- Summary**
- Working with research in Computational Intelligence since graduation, specifically in Machine Learning and Data Mining.
 - With publications in the main events on Artificial Neural Networks and Hybrid Intelligent Systems.
 - Performs reviews of articles for conferences and periodicals related to Computational Intelligence.
 - Teaching assistant from August to December of 2008.
 - Skilled at learning new concepts quickly, working well under pressure and communicating ideas clearly and effectively.
 - Enthusiastic and experienced in overseas travel.
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- Personal Data**
- Born 1981 in Gurupi, Brazil, Brazilian nationality, single, and with no children.
 - Address: ST João Francisco Lisboa, 121, B. 18, Apto. 301, Recife, Pernambuco, Brazil, 50741-100.
 - Home Page: [Http://www.cin.ufpe.br/~lma3](http://www.cin.ufpe.br/~lma3).
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- Education**
- Ph.D. in Computer Science (in progress)** 2007-2010
Federal University of Pernambuco / Center of Informatics, Recife, Pernambuco, Brazil
Research areas: Machine Learning, Hybrid Intelligent Systems, Artificial Neural Networks, Evolutionary Computing and Problem Decomposition.
Supervisor: Teresa Bernarda Ludermir
- Master's Degree in Computer Science** 2005-2007
Federal University of Pernambuco / Center of Informatics, Recife, Pernambuco, Brazil
Research areas: Machine Learning, Hybrid Intelligent Systems, Artificial Neural Networks and Evolutionary Computation.
Supervisor: Teresa Bernarda Ludermir
Title: A search methodology for near-optimal artificial neural networks
- B. Sc. Degree in Information Systems** 2001-2004
Lutheran University of Brazil/University Lutheran Center of Palmas, Palmas, Tocantins, Brazil.
Research areas: Multi-agent Intelligent Systems, Collaborative Learning and Machine Learning.
Supervisor: Thereza Patrícia Pereira Padilha
Title: Text message categorization for collaborative learning environments.
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Professional Experience

- Teaching Assistant in Computer Science Postgraduate Course,** *Federal University of Pernambuco / Center of Informatics, Pernambuco, Brazil.* 2008
- On the subject of Hybrid Intelligent Systems.

- Assistant of Information Systems B. Sc. course**, *Faculty of writer Osman da Costa Lins, Pernambuco, Brazil.* 2007-2008
- On the subjects: Introduction to Artificial Intelligence, Distributed Systems, Control and Assessment of Systems, Database Project and Object-oriented Analysis and Design.
- System Engineering**, *Recife Center for Advanced Studies and Systems (CESAR), Recife, Pernambuco, Brazil.* 2008
- Working on a project to build an intelligent system for recognizing natural gas leakage – a kind of artificial nose.
 - Such a system is composed of hardware and software modules using Artificial Neural Networks for pattern recognition.
- System Engineering**, *Recife Center for Advanced Studies and Systems (CESAR), Recife, Pernambuco, Brazil.* 2005-2006
- Worked on a Motorola Project to provide the documentation for all devices (basically cell phones) launched by the Motorola around the world.
 - Development of a tool concerning the near-automatic generation of documentations using XML and XSLT technologies.
- Scholarship**, *Initiation Program in Science and Technology of the Lutheran University Center of Palmas, Tocantins, Brazil.* 2002-2004
- Participation in scientific initiation projects for the development of intelligent agents for RESOLVE, a collaborative learning environment. Development of the agent with collaborative profile.
 - Development of a learning model for intelligent agents based on data mining techniques.
- Tutor Volunteer**, *Lutheran University of Brazil/ Lutheran University Center of Palmas, Palmas, Tocantins, Brazil.* 2001
- Volunteer aid to students in Information System B. Sc. course with difficulties in the study of the Logic Programming.

Refereeing service

- 8th International Conference on Hybrid Intelligent Systems, 2008.
- International Journal of Computational Intelligence and Applications, 2007.
- Evolutionary Computation track, ACM Symposium on Applied Computing, 2007.
- Meeting of Computer Science Students of the Tocantins State, 2007.

Memberships & Affiliations

- Ph.D. Student, Federal University of Pernambuco / Center of Informatics.
- Member, IEEE (Institute of Electrical and Electronics Engineers, Inc.).
- Member, Brazilian Computer Society (SBC).

Participation in events

- The 10th Brazilian Symposium on Neural Networks (SBRN), Salvador, Bahia, Brazil, 2008.
- IEEE World Congress on Computational Intelligence (WCCI 2008), Hong Kong, China, 2008.
- XVI Brazilian Symposium on Computers in Education (SBIE), Juiz de Fora, Minas Gerais, Brazil, 2005.
- VII International Conference on Intelligent Tutoring Systems, Maceió, Alagoas, Brazil, 2004.

Research Interests

- Unsupervised and supervised pattern recognition;
- Evolutionary Computation
- Hybrid Intelligent Systems
- Artificial Neural Networks

Publications (from 2006)

- ALMEIDA, Leandro Maciel; LUDERMIR, Teresa Bernarda. An Improved Method for Automatically Searching Near-optimal Artificial Neural Networks. In: International Joint Conference on Neural Networks (IJCNN2008), 2008, Hong Kong. IEEE World Congress on Computational Intelligence (WCCI2008), 2008.
- ALMEIDA, Leandro Maciel; LUDERMIR, Teresa Bernarda. An evolutionary approach for tuning artificial neural network parameters network parameters. In: 3rd International Workshop on Hybrid Artificial Intelligence Systems, 2008, Burgos. Lecture Notes in Artificial Intelligence - LNAI, 2008.
- ALMEIDA, Leandro Maciel; LUDERMIR, Teresa Bernarda. Tuning artificial neural networks parameters using an evolutionary algorithm. In: 8th International Conference on Hybrid Intelligent Systems, 2008, Barcelona, Spain. Proceedings of 8th International Conference on Hybrid Intelligent Systems, 2008.
- ALMEIDA, Leandro Maciel; LUDERMIR, Teresa Bernarda. Automatically searching near-optimal artificial neural networks. In: European Symposium on Artificial Neural Networks, 2007, Bruges. Proceedings of the European Symposium on Artificial Neural Networks, 2007.
- PADILHA, Thereza Patrícia Pereira; ALMEIDA, Leandro Maciel. Text Categorization for Intention Discovery in Collaborative Learning Interactions Data. In: World Conference on Educational Multimedia, Hypermedia & Telecommunications (Design of Distance Learning Systems), 2006, Orlando, 2006.
- ALMEIDA, Leandro Maciel; LUDERMIR, Teresa Bernarda. A hybrid method for searching near-optimal artificial neural networks. In: 6th International Conference on Hybrid Intelligent Systems (HIS 06'), 2006, Auckland. Proceedings of the 6th International Conference on Hybrid Intelligent Systems, 2006.

Referees

M.Phil. and Ph.D. Supervisor

Professor LUDERMIR, Teresa B.
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Federal University of Pernambuco, Brazil
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B.Sc. Supervisor

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