

Curriculum vitae

NAME: Teresa Bernarda Ludermir

DATE OF BIRTH: 16/10/1961

EDUCATION

1990	PhD in Artificial Intelligence, Imperial College of Science, Technology and Medicine , UK
1986	MSc in Artificial Intelligence/Computer Science, Universidade Federal de Pernambuco (UFPE) , Recife, Brazil
1983	BSc in Computer Science, UFPE , Recife, Brazil

PROFESSIONAL EXPERIENCE

1992 - Present	Full Professor in Artificial Intelligence , Centro de Informática, Universidade Federal de Pernambuco, Brazil
2015 - 2018	Visiting Researcher , Université d'Orléans, Orléans, France
2014 - 2015	Visiting Researcher , Computational Genomics at RWTH Aachen University, German
2009 - 2011	Visiting Researcher , Universidade do Porto, Portugal
2006 - 2007	Visiting Professor , Imperial College of Science, Technology and Medicine, UK (Sabbatical leave from UFPE)
2005 - 2007	Visiting Researcher , Max-Planck-Institut für Molekulare Genetik, Germany
2004 - 2008	Visiting Researcher , Institut National de Recherche en Informatique et en Automatique (INRIA), France
2001 - 2004	Visiting Researcher , Université Pierre et Marie Curie, France
1991 - 1992	Lecturer , Computer Science Department, King's College London, UK
1985 - 1986	Lecturer , Computer Science Department, Universidade Católica de Pernambuco, Brazil

CURRENT PROJECTS AND RESEARCH FUNDING

2024 - 2029	Center of Excellence in Artificial Intelligence for Cybersecurity, MCTI, FAPESP, CGI.BR, Coordinator, Brazil
2023 - 2028	Automated Learning through Evolutionary Algorithms, CNPq Productivity Research Grant Level 1A, Brazil
2023 - 2024	Women in STEM - British Council UK-Brazil Gender Equality Partnerships Call 2022, Researcher
2022 - 2027	Brazilian National Institute of Artificial Intelligence (Responsible AI), CNPq, https://cin.ufpe.br/~iaia/ Coordinator, Brazil
2021 - 2026	Center for Applied Research in Artificial Intelligence Recreating Environments (IARA), MCTI, FAPESP, CGI.BR, Researcher

QUANTITATIVE INDICATORS

Authored books	5
Edited/Organized books	11
Indexed journal papers	93

Book chapters	25
Conference papers	321
MSc supervisions	47 concluded and 2 under supervision
PhD supervisions	28 concluded and 3 under supervision
Post-doctorate supervisions	4
Web of Sciences	h-index: 27, number of citations: 2,756
Scopus	h-index: 30, number of citations: 3,988
Google Scholar	h-index: 51, number of citations: 11,231

SCIENTIFIC SOCIAL NETWORKS WITH INDICATORS

ORCID	https://orcid.org/0000-0002-8980-6742
Web of Sciences	https://www.webofscience.com/wos/author/record/236179
Scopus	https://www.scopus.com/authid/detail.uri?authorId=6604058532
Linkedin	https://www.linkedin.com/in/teresa-ludermir-b6b85213/
Google Scholar	https://scholar.google.com.br/citations?user=w-tKJOwAAAAJ&hl=pt-BR&oi=ao
Research Gate	https://www.researchgate.net/profile/Teresa-Ludermir
CV Lattes CNPq	http://lattes.cnpq.br/6321179168854922
AD Scientific Rank	1% range of the world's most influential scientists in Computer Science in Latin America according to the AD Scientific Ranking (https://www.adscientificindex.com/scientist/teresa-bernarda-ludermir/955037)
ScholarGPS	position 129 globally in the Neural Network field, as ranked by ScholarGPS (https://scholargps.com/scholars/53161537582054/teresa-b-ludermir)
Plos Biology/Elsevier	ranked among the top 2% of the most influential scientists globally in Artificial Intelligence and Image Processing, according to a study by Plos Biology/Elsevier (https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/8)
Research.com	position 51 in Best Computer Science Scientists in Brazil (https://research.com/scientists-rankings/computer-science/br)
A.I. Author Rankings	position 1 in Author Ranking by Publication in AI from Brazil http://bit.ly/4m7kANp

OTHER RELEVANT INFORMATION

- Published Artificial Neural Networks: Theory and Applications, published initially in Computer Science School in 1998 and with two commercial editions (2000, 2007). This is the first Machine Learning book written in Portuguese and has been widely adopted in courses across Brazil. Considering all editions, the book has garnered over 1,800 citations, according to Google Scholar.
- Collaborated on the Araboia project for the dissemination of Information Technologies (Artificial Intelligence and Programming Language) in public schools in Pernambuco, Brazil.

Research awards

- Member Elected (2026) of The World Academy of Sciences
- The Brazilian National Order of Scientific Merit, Class: Comendador (2010)
- Member of the Brazilian Academy of Science, since 2024
- Fellow of the International Core Academy of Sciences and Humanities (Core Academy) since 2025
- Fellow Asia-Pacific Artificial Intelligence Association – AAIA, since 2024
- Member of the Pernambuco Academy of Science (Brazil), since 2018
- Scientific Merit Award, Brazilian Computer Society (SBC), 2015

- Scientific Merit Award, Special Committees of Computational Intelligence and Artificial Intelligence, Brazilian Computer Society (SBC), 2015
- Senior Members IEEE (2009) and Senior Member INNS (2020)
- Supervisor of the best PhD thesis, PhD thesis contest – IEEE LA-CCI 2021
- Supervisor of 2nd Best PhD Thesis in Artificial Intelligence, 2020 Brazilian Contest of Artificial Intelligence, BRACIS 2020.
- Outstanding Associate Editor - IEEE Transactions on Neural Networks and Learning Systems, 2019
- Awards to Newly Appointed Science Lectures, The Nuffield Foundation, 1991
- Distinction Magna cum Laude in Computer Science at UFPE, 1983

Memberships and positions

- Serving on UK Expert Advisory Panel of the State of Science Report for the risks associated with frontier AI (2024-2026)
- Member of the Council for Sustainable Economic and Social Development of the Presidency of the Republic of Brazil (2025-2027).
- Member of the Advisory Board of the Interministerial Committee for Digital Transformation of Brazil (2025-2027).
- Editorial Board of Journals: IEEE Transactions on Neural Networks and Learning Systems (2017-2023), Neural Networks (2020-2023), and other journals related to data science, machine learning and artificial intelligence
- Editor in chief International Journal of Computation Intelligence and Application (IJCIA), World Scientific, from 2004 to 2012
- Guest Editor Neurocomputing (2011, 2013, 2014), Guest Editor International Journal of Hybrid Intelligent System (2009, 2011), Guest Editor International Journal of Neural Systems Special Issue (2002, 1998), Guest Editor Journal of Intelligent & Fuzzy Systems (2003).
- General Program Committee IEEE-IJCNN (International Joint Conference on Neural Networks) 2018, General Co-chair 2023 and 2024
- Member of Board of Governors International Neural Network Society (2016-2018, 2019-2021)
- Member on IEEE CIS Chapter Subcommittee, Member on IEEE CIS Summer School Subcommittee, Member IEEE Frank Rosenblatt Award Committee, Technical and Scientific Committee, IEEE Awards Board
- Program Committee of: IJCNN, IJCAI, ICANN, HIS, ACM-SAC, ENIAC, BRACIS, KDMiLe, LA-CCI, ICPRAM, ISDA, and other conferences related to data science, machine learning and artificial intelligence.
- Member of Computer Science Advisory Committee of the Brazilian National Research Council, CA-CC CNPq, 2020-2023, and 2005-2008, 2015-2017 (ccordenate10/2015 to 05/2017 and 07/2022 to 06/2023)
- Computing Deputy Coordinator at CAPES since 2022
- Director of Graduate Studies, Universidade Federal de Pernambuco (2015-2019).
- Program Committee of: IJCNN, ICANN, ENIAC, BRACIS, KDMiLe, LA-CCI, and other conferences related to data science, machine learning and artificial intelligence.
- Head of Artificial Intelligence Center and Group of Universidade Federal de Pernambuco since 1992