

Curriculum Vitae

PERSONAL DATA

NAME: André Carlos Ponce de Leon Ferreira de Carvalho
NATIONALITY: Brazil
DATE OF BIRTH: 21/11/1965
PLACE OF BIRTH: Recife, Brazil
EMAIL: andre@icmc.usp.br

PROFESSIONAL EXPERIENCE

01/03/2010-28/02/2011 | Visiting Professor, University of Kent, Canterbury, UK

01/10/2006-Now | Full Professor, Computer Science Department, Universidade de São Paulo, São Carlos, Brazil

01/09/2005-31/08/2006 | Visiting Researcher, Universidade do Porto, Porto, Portugal

01/01/2000-31/12/2000 | Associate Professor, Computing and Information Science Department, University of Guelph, Guelph, Canada

01/07/1998-30/09/2006 | Associate Professor, Computer Science Department, Universidade de São Paulo, São Carlos, Brazil

01/08/1994-30/06/1998 | Assistant Professor, Computer Science Department, Universidade de São Paulo, São Carlos, Brazil

EDUCATION

08/1998 | Habilitation (Livre Docencia) in COMPUTER SCIENCE, **Universidade de São Paulo**, São Carlos, Brazil

09/1990-07/1994 | PhD in ELECTRONICS, **University of Kent**, Canterbury, UK
Supervisor: Michael C. Fairhurst

03/1988-07/1990 | MSc in COMPUTER SCIENCE, **Universidade Federal of Pernambuco**, Recife, Brazil
Supervisor: Clylton G. Fernandes

03/1984-12/1987 | BSc in COMPUTER SCIENCE, **Universidade Federal of Pernambuco**, Recife, Brazil

SCIENTIFIC PRODUCTION INDICATORS

ORCID: <http://orcid.org/0000-0003-3582-9866>
ResearcherID: <http://www.researcherid.com/rid/A-6321-2008>
Google Scholar: <https://scholar.google.com/citations?user=B3L9jQMAAAAJ&hl=en>
Linkedin: <https://www.linkedin.com/in/andre-c-p-l-f-de-carvalho-151bb26>

LANGUAGE SKILLS

ENGLISH: Fluent
PORTUGUESE: Native

RESEARCH AWARDS

- 3rd best PhD work in the VII Best MSc dissertation/ PhD thesis contest - CTDIA'2010, São Bernardo dos Campos, Brazil, with M. Nascimento and F. Toledo, 2010.
- Best paper award in the IGEC+S*S+SBSE tracks of the Genetic and Evolutionary Computation Conference, GECCO'2012, Philadelphia, USA, 2012, with R. Barros, M. Basgalupp and A. Freitas.
- Best paper award in the 2012 IEEE Conference on System, Man and Cybernetics, IEEE SMC 2012 Seoul, South Korea, 2012, with P. Miranda, R. Prudêncio and C. Soares.
- Jabuti award for the best Brazilian Book in Technology and Informatics 2012, Brazilian Book Board, Sao Paulo, Brazil, 2012, with K. Faceli, A. C. Lorena and J. Gama.
- Best Paper award in the 2012 Brazilian Neural Networks Symposium. SBRN'2012, Curitiba, Brazil, 2012, with A. Rossi and C. Soares.
- Best Student Paper award in the 2013 IEEE Conference on Evolutionary Computation, IEEE CEC'2013, Cancun, Mexico, 2013, with R. Cerri, R. Barros and A. Freitas.
- José Mauro Castilho award for the best paper at the Brazilian Databases Symposium, SBBD 2013. Recife, Brazil, 2013, with T. Covões, R. C. Barros, T. S. da Silva and E. Hruschka
- Best PhD Thesis in Computing, 27th Brazilian Contest of PhD Thesis, Brazilian Computer Society, with R. C. Barros and A. Freitas, 2014
- Best PhD Thesis in Computing, CAPES PhD Thesis 2014, Brazilian Ministry of Education, with R. C. Barros and A. Freitas, 2014
- 2nd Best PhD Thesis in Artificial Intelligence, 2014 Brazilian Contest of Artificial Intelligence PhD Thesis, Brazilian Computer Society (SBC), with R. Cerri, 2014.
- Journal of Digital Imaging (JDI) Best Paper, Volume 29 (2016), together with Marcos Vinicius Naves Bedo, Davi P. dos Santos, Marcelo Ponciano-Silva, Paulo M. de Azevedo Marques and Caetano Traina Jr., Society for Imaging Informatics in Medicine (SIIM).
- Scientific Merit Award, Special Committees of Computational Intelligence and Artificial Intelligence, Brazilian Computer Society (SBC), 2017.
- Best PhD Thesis in Computing, CAPES PhD Thesis 2017, Brazilian Ministry of Education, with L. P. Garcia and A. Lorena, 2017.

MOST RELEVANT RECENT PUBLICATIONS

- Nascimento, M. C., Toledo, F. and de Carvalho, A.: Investigation of a new GRASP-based clustering algorithm applied to biological data. Computers & Operations Research, v. 37, p. 1381-1388, 2010.
- Barros R., Freitas, A. and de Carvalho, A.: Automatic Design of Decision-Tree Induction Algorithms. 1. Ed. Springer, 2015.
- Faceli, K., Souto, M., Araújo D. and de Carvalho A.: Multi-objective Clustering Ensemble for Gene Expression Data Analysis. Neurocomputing, v. 72, n. 13-15, p. 2763-2774, 2009.
- Naldi, M., de Carvalho, A. and Campello, R.: Cluster ensemble selection based on relative validity indexes. Data Mining and Knowledge Discovery, v. 27, p. 259-289, 2013.

- Rossi, A., de Carvalho, A. Soares, C. and de Sousa, B.: MetaStream: a meta-learning based method for periodic algorithm selection in time-changing data. *Neurocomputing* (Amsterdam), v. 127, p. 52-64, 2014.
- Barros, R., Basgalupp, M., Freitas, A., de Carvalho, A.: Evolutionary Design of Decision-Tree Algorithms Tailored to Microarray Gene Expression Data Sets. *IEEE Transactions on Evolutionary Computation*, v. 18, p. 873-892, 2014.
- Lopes, I., Schliep, A. and de Carvalho, A.: The discriminant power of RNA features for pre-miRNA recognition. *BMC Bioinformatics* 15, 124, 2014.
- Garcia, L. P., de Carvalho, A., Lorena, A. and Matwin, S.: Ensembles of label noise filters: a ranking approach. *Data Min. Knowl. Discov.* 30(5): 1192-1216, 2016.
- Faria, E., de Carvalho, A., Gama, J.: MINAS: multiclass learning algorithm for novelty detection in data streams. *Data Mining and Knowledge Discovery*, v. 30, p. 640-680, 2016.
- Máximo, V., Nascimento, M., and de Carvalho, A.: Intelligent-guided adaptive search for the maximum covering location problem. *Computers & Operations Research*, v. 78, p. 129-137, 2017.

CURRENT GRANTS AND SCHOLARSHIPS

06/2017-03/2019	FAU-FAPESP International Collaboration, Brazil
06/2017-05/2020	CNPq Universal Project, Coordinator, Brazil
06/2017-05/2019	FAPESP-IBM on Cognitive Intelligence Project, Coordinator, Brazil
03/2016-02/2021	CNPq Productivity Research Grant Level 1A, Brazil
01/2015-12/2018	CAPES-COFECUB with University of Orleans, France, Coordinator, Brazil
06/2012-05/2018	FAPESP-CEPID - Centro de Ciências Matemáticas Aplicadas a Industria - CEPID-Cemeai Project, Principal Investigator, Brazil

ACADEMIC INDICATORS

<i>Books:</i>	4
<i>Indexed journal papers:</i>	134
<i>Book chapters:</i>	23
<i>Conference papers:</i>	292
<i>MSc supervisions:</i>	25 concluded (1 as co-supervisor) and 2 under supervision
<i>PhD supervisions:</i>	29 concluded (8 as co-supervisor) and 12 under supervision
<i>Post-doctorate supervisions:</i>	20 concluded and 3 under supervision
<i>PhD exam committees:</i>	144
<i>Habilitation exam committees:</i>	22
<i>Full Professor exam committees:</i>	13

OTHER RELEVANT INFORMATION

- Member of the International Association for Statistical Computing (IASC), 2013-2017.
- Head of Dept. Computer Sciences, ICMC-USP, 10/2008 to 02/2010 and from 03/2014 to 02/2016.

- Director of NAP AMDA (Machine Learning in Data Analysis), Universidade de São Paulo, from 2012 to 2017.
- Vice President of ICMC-USP International Relation Committee, 2012-2014 and since 08/2016.
- Editorial Board of Journals: Engineering Applications of Artificial Intelligence (Elsevier), International Journal of Bio-inspired Computation (Inderscience), Intelligent Data Analysis (IOS Press).
- Program Committee of the following Conferences: AAAI, Bracis, DSAA, ECML-PKDD, EPIA, KDD, KDMiLe, IJCAI, LION, SBBD, SBPO, SDM.