Carlos Pampulim Caldeira

Assistant Professor
University of Évora
Department of Computer Science
Rua Romão Ramalho, 59
7000-671 EVORA
PORTUGAL

E-mail address: ccaldeira@di.uevora.pt
Linkedin: www.linkedin.com/in/carlospampulimcaldeira/
Tel: +351 266 744616

Education:

1999 PhD in Information Systems, 1999, Lisbon Technical University, Portugal

1987 B.S., Agronomy Science, Lisbon Technical University, Portugal

Primary areas of expertise/interest: data warehousing, business intelligence, relational databases, computer science education, application of IT in education, data ecology.

Publications:

- Carnaz, G. & Caldeira. C. (2017). Aplicação da Ontologia PROV-O ao crime de branqueamento de capitais In Coelho, F. (Ed.) *Atas das Sétimas Jornadas de Informática da Universidade de Évora*. Évora, Portugal.

- Caldeira, C. (2015). *PostgreSQL – Guia Fundamental*. Edições Sílabo, Lisboa. ISBN 978-972-618-795-0

- Guimarães, F., Caldeira, C. & Quaresma, P. (2015). Enterprise Intelligence based on Ontology Metadata. In Maria del Mar Gallardo (Ed.) *DCTI 2015 Actas del Doctoral Consortium en Tecnologias Informáticas* (pp. 159-166). Málaga, Spain.

- Ferreira, A., Caldeira, C. & Olival, F. (2015). Construção de uma ontologia para as ocupações do Santo Ofício. *Revista de Ciências da Computação*, Vol. 10, nº 10, 2015, pp. 1-20. ISSN: 2182-1801.

- Guimarães, F., Caldeira, C. & Quaresma, P. (2015). Auditoria de Informação baseada em Ontologia (Information Audit Based on Ontology). 10th Iberian

Conference on Information Systems and Technologies (CISTI) (pp. 1-7). Institute of Electrical and Electronics Engineers (IEEE). Aveiro, Portugal.

- Guimarães, F., Caldeira, C. & Quaresma, P. (2015). Implementação de Metadados como Ontologia: Base estrutural de inteligência empresarial (Metadata implementation as ontology: Structure of enterprise intelligence). 10th Iberian Conference on Information Systems and Technologies (CISTI) (pp. 1-5). Institute of Electrical and Electronics Engineers (IEEE). Aveiro, Portugal.

- Guimarães, F., Caldeira, C. & Quaresma, P. (2014). Enterprise Intelligence com Metadatos como Ontologia. In Barão, M., Coelho, F., Abreu, S. (Eds.) *Actas das 4ªs Jornadas de Informática da Universidade de Évora* - JIUE'2014 (pp. 3-15). Évora, Portugal.

- Ferreira, A., Caldeira, C. & Olival, F. (2014). Das redes à construção de um modelo de análise geotemporal. *Revista da Unidade de Investigação do Instituto Politécnico de Santarém*, Nº1 Vol. 2, 19. ISSN 2182-9608

- Ferreira, A., Caldeira, C. & Olival, F. (2013). Entre os Dados Qualitativos e a Análise de Redes. *3ª Jornadas de Informática da Universidade de Évora, 21-22 de Fevereiro*. ISBN: 978-989-97060-7-1

- Ferreira, A., Caldeira, C. & Olival, F. (2013). A Extração de Dados na Análise de Redes. *Revista da Unidade de Investigação do Instituto Politécnico de Santarém*, 2, 37-47.

- Ferreira, A., Caldeira, C. & Olival, F. (2013). From low density networks to geo-temporal approach. *Networks over space and time: modelling, analyzing, and representing complex data in the digital humanities*. November 8th, WG1, Spatial and temporal modelling: representation of space and time, NeDiMAH, 2013. FCSH, New University of Lisbon, Lisbon, Portugal.

- Ferreira, A., Lopes, B., Caldeira, C. & Olival, F. (2013). *SPARES: filosofia, modelo de dados e potencialidades*. Workshop Bases de Dados para as Ciências Humanas. Centro de História de Além-Mar, 18 de Junho de 2013, Faculdade de Ciências Sociais e Humanas da Universidade Nova de Lisboa.

- Ribeiro, N. & Caldeira, C. (2013). Quid Pro Quod: Enhancing Patient Safety Via Minimizing Human-Computer Interactions Errors. *HCist'2013 - International Conference on Health and Social Care Information Systems and Technologies*.

- Caldeira, C. (2012). *Data Warehousing: Conceitos e Modelos*. 2nd Edition Revised And Augmented. Edições Sílabo, Lisboa. ISBN 978-972-618-479-9

- Caldeira, C. (2011). *A Arte das Bases de Dados*. Edições Sílabo, Lisboa. ISBN 978-972-618-627-4

- Ferreira, A., Caldeira, C. & Olival, F. (2011). Das Bases de Dados Prosopográficas à Análise de Redes: Ensaios de Aplicação a Dados Históricos. *Proceedings of the 2ªs Jornadas de Informática da Universidade de Évora - JIUE'2011*, Évora. ISBN 978-989-97060-2-6

- Ribeiro, N., Caldeira, C. & Filipe, J. (2011). Applying Problem Based Learning educational method for improving Human-tech competencies in Computer Engineering students: a research proposal. *Proceedings of the 2ªs Jornadas de Informática da Universidade de Évora - JIUE'2011*, Évora. ISBN 978-989-97060-2-6

- Caldeira, C. (2010). A Ecologia da Informação Aplicada ao Desenho de Bases de Dados. *Novena Conferencia Iberoamericana en Sistemas, Cibernetica e Informatica: CISCI 2010*: 29 de Junio a 2 de Julio de 2010, Orlando, Florida.

- Caldeira, C. (2009). A Data Warehouse Virtual Appliance - A research in progress. *Proceedings of the 3rd European Conference on Information Management and Evaluation - ECIME 2009*, September 17-18, Gothenburg, Sweden.

- Caldeira, C. (2009). A Ecologia da Informação na Definição de Domínios. *International Conference on Information Systems and Technology Management*, June 3-5. S. Paulo, Brasil.

- Caldeira, C. (2008). *Data Warehousing: Conceitos e Modelos*. Edições Sílabo, Lisboa. ISBN 978-972-618-479-9

- Caldeira, C. (2008). Teaching SQL: A Case Study. *ITiCSE '08: Proceedings of the 13th annual conference on Innovation and technology in computer science education*, June 30 - July 2, Madrid, Spain: 340.

- Caldeira, C. (2008). Review of: Group cognition: Computer support for building collaborative knowledge John Wiley & Sons (2006). *Journal of the American Society for Information Science and Technology* 59(9): 1531.

- Caldeira, C. (2007). A Utilização de Bases de Dados em Prosopografia. *Seminário de Prosopografia, bases de dados e análise de redes: pressupostos teórico-metodológicos*. Instituto de Investigação Científica Tropical, 15-19 de Outubro, Lisboa.

- Caldeira, C. (2007). Review of: The Microsoft Data Warehouse Toolkit, John Wiley and Sons Inc. (2006). *The Computer Journal* 50(2): 249.

- Caldeira, C. (2007). Winesys: an Information System for Wine Route Management (Work in Progress). *International Science and Technology Conference*. Malaga, Spain, March 21-22.

- Caldeira, C. (2007). Review of: Introduction to Information Systems: Supporting and Transforming Business, John Wiley and Sons Inc. (2007). *Information Processing and Management* 43(3): 824-825.

- Caldeira, C. (2006). Winesys: a database model for wine route management. *MCIS'06 Mediterranean Conference on Information Systems*. San Servolo, Venice, Italy, October 5-9.

- Caldeira, C. (2006). Relational Modeling Advantages over the E-R Approach. *CODATA 2006 International Conference - Scientific Data and Knowledge within the Information Society*. October 22-25, Beijing, China.

- Caldeira, C. (2006). A Data Warehouse Perspective on Agricultural Databases. : *7th Int*er*national Conference on Mathematics and Computers in Biology and Chemistry*, June 13-15.

- Caldeira, C. (2006). *Projecto de Arquitectura em XML para Publicação de Dados Académicos e Científicos*. XATA 2006 - XML: Aplicações e Tecnologias Associadas, ESTG, Portalegre, 9 e 10 de Fevereiro.

- Caldeira, C. (2006). *Introdução às Folhas de Cálculo* (Brief notes about spreadsheets). ISBN: 972-99834-4-5. Universidade de Évora, Évora.

- Caldeira, C. (2005). *A Usabilidade das Bases de Dados Relacionais* (Database usability issues). ISBN: 972-99834-0-2. Universidade de Évora, Évora.

- Caldeira, C. (2002). Mining Agricultural Information Through Metadata Repositories. Presenting author In: *Proceedings of the 17th Symposium of the International Farming Systems Association*, "Farming Systems Knowledge and Information Systems Chapter", 17-20 November, Gainesville, Florida: 105.

- Caldeira, C. (2001). Design and Implementation of a GUI Database Interface to DSSAT. In: *Proceedings of the 2nd International Symposium on Modelling Cropping Systems*, 16-18 July, Florence, Italy: 113-114.

Editorial Boards:

International Journal of Computer Engineering and Futuristic Technology (2017-)

American Journal of Database Theory and Application (2014-)

Revista de Ciências da Computação (2014-)

Committee Assignments:

International Conference on Computational Techniques in Information and Communication Technologies ICCTICT 2016. University School of Information and Communication Technology, GGS Indraprastha University, Dwarka Sector - 16 C, New Delhi-110078

10th European Conference on Games Based Learning (ECGBL 2016). University of the West of Scotland, Paisley, Scotland on 6-7 October.

16th European Conference on e-Government. Faculty of Administration, University of Ljubljana, Slovenia, 16-17 June.

International Conference on Micro-Electronics and Telecommunication Engineering. SRM University, IEEE Up Section , India, 22-23 September.

15th International Conference on Telecommunications and Informatics (TELE-INFO '16). Ischia, Italy, 17-19 June

EIIC 2015 - 4th Electronic International Interdisciplinary Conference, Thomson Ltd., Zilina, Slovakia.

Décimo Segundo Simposium Iberoamericano en Educación, Cibernética e Informática: SIECI 2015. 12 al 15 de Julio de 2015. Orlando, Florida, USA.

9th European Conference on Games Based Learning ECGBL 2015. Academic Conferences and Publishing International. Nord-Trondelag University College Steinkjer, Norway.

ICTIC 2015 (Conference of Informatics and Management Sciences). EDIS - Publishing Institution of the University of Zilina. Thomson, Slovakia

CDVE2015 (The 12th International Conference on Cooperative Design, Visualization and Engineering). Sept. 20 - Sept. 23, 2015, Mallorca, Spain.

15th European Conference on e-Gorverment. 18-19 June. University of Portsmouth, UK.

International Conference on Computing, Communication and Security (ICCCS-2015). 4-6 December, 2015 Le Meridien, Pointe Aux Piments, Pamplemousses, Mauritius. India.

Knowledge Management Int. Conference (KMICe) 2014. Universiti Utara Malaysia, School of Computing, Sintok, Kedah, Malaysia.

13th European Conference on e-Learning ECEL-2014. Aalborg University Copenhagen, Denmark.

49th CLADEA Annual Meeting. Ramon Llull University, ESADE Barcelona 3-5 September, Barcelona.

CISCI 2014 - Décima Tercera Conferencia Iberoamericana en Sistemas, Cibernética e Informática: CISCI 2014. International Institute of Informatics and Systemics

8th European Conference on Games Based Learning ECGBL 2014. Research and Training Center for Culture and Computer Science (FKI) University of Applied Sciences HTW Berlin Berlin, Germany.

ICTIC 2013 - Proceedings in Conference of Informatics and Management Sciences, 25 - 29 March 2013

FS '13 14th WSEAS International Conference on Fuzzy Systems, August 6-8, 2013.

ECEG 2013 13th European Conference on e-Government. 13-14 June, Italy.

3as Jornadas de Informática da Universidade de Évora. Évora, Portugal 21-22 de Fevereiro.

12th WSEAS International Conference on Telecommunications and Informatics. Baltimore, September 17-19, 2013

AIC '13 - 13th WSEAS International Conference on Applied Informatics and Communications. Valencia, August 6-8, 2013

ITCN '13 - 2nd International Conference on Information Technology and Computer Networks

ECEG 2012 - 12th European Conference on e-Government, 14-15 June, Barcelona, Spain.

HICSS-43 Hawaii International Conference on System Sciences (HICSS) January 5-8, 2010. The Grand Hyatt Kauai Resort & Spa Poipu, Kauai, Hawaii.

ECIME 2011 - 5th European Conference on Information Management and Evaluation, 8-9 September 2011. Dipartimento di Informatica e Comunicazione, Università dell'Insubria, Como, Italy - Academic Conferences and Publishing International

ECEG 2010 Member of the Program Committee for 10th European Conference on e-Government . National Centre for Taxation Studies, University of Limerick, Ireland, 17-18 June 2010.

ECIME 2010 Member of the Program Comiittee for the 4th European Conference on Information Management and Evaluation. ISEGI, New University of Lisbon, 9-10 September 2010.

EISWT-2010 Member of the Program Committee for International Conference on Enterprise Information Systems and Web Technologies (EISWT-10) . Orlando, Florida, USA, 12-14 July 2010.

SETP-09 International Conference on Software Engineering Theory and Practice, July 13-16, 2009. Orlando, Florida, USA.

In Site 2009: Informing Science and Information Technology Education Joint Conference, June 12-15, Macon State College, Georgia, USA.

EISWT-09 International Conference on Enterprise Information Systems and Web Technologies, July 13-16, 2009. Orlando, FL, USA.

ECIME 2008. 2nd European Conference on Information Management and Evaluation Royal Holloway, 11-12 September 2008, University of London, UK.

EISWT-08 International Conference on Enterprise Information Systems and Web Technologies, July 7-10, 2008. Orlando, FL, USA.

18th IRMA International Conference. Theme: Managing Worldwide Operations and Communications with Information Technology, May 19-23, 2007. Vancouver, British Columbia, Canada

MCBC 2007 8th WSEAS International Conference on MATHEMATICS and COMPUTERS in BIOLOGY and CHEMISTRY, June 19-21, 2007. Vancouver, Canada.

EHAC 2007. The 6th WSEAS International Conference on ELECTRONICS, HARDWARE, WIRELESS and OPTICAL COMMUNICATIONS, , February 16-19, 2007, Corfu Island, Greece.

The 5th International Conference on ARTIFICIAL INTELLIGENCE, KNOWLEDGE ENGINEERING and DATA BASES (AIKED '07)

IACIS 2006 (International Association for Computer Information Systems) Conference, October 4-7, 2006 Reno, Nevada, USA

3er Simposium Iberoamericano de Educación, Cibernética e Informática (SIECI 2006), July 20-23, 2006, Orlando, Florida, USA

The 6th International Conference on DISTANCE LEARNING and WEB ENGINEERING (DIWEB '06)

2006 International Conference on Cellular and Molecular Biology - Biophysics and Bioengineering (BIO'06)

2006 WSEAS International Conference on Mathematical Biology and Ecology

2005 WSEAS International Conference on Mathematical Biology and Ecology

Membership:

ACM's Special Interest Group on Management of Data (SIGMOD)

ACM's Special Interest Group on Computer Science Education (SIGCSE)

WSEAS Working Group on Biology and Biomedicine

Independent Oracle Users Group (IOUG)

EuroPython Society