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Research Interests

Signal and Image Processing

Machine Learning

Academic Qualifications

University/Institution	Type	Degree	Period
Instituto Superior Técnico - UTL	PhD	Doutoramento em Engenharia Electrotécnica e de Computadores	2010
Instituto Superior Técnico - UTL	Licenciate	Engenharia Electrotécnica e de Computadores	2002

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.
2026/2027	2º	Algorithms for Big Data		Yes
2026/2027	2º	Microprocessors	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering;	No
2026/2027	1º	Introduction to Deep Learning	Bachelor Degree in Data Science (PL); Bachelor Degree in Data Science;	Yes
2025/2026	2º	Algorithms for Big Data		Yes
2024/2025	2º	Algorithms for Big Data		Yes
2024/2025	2º	Big Data Processing	Bachelor Degree in Data Science;	Yes
2024/2025	2º	Big Data Processing and Modeling		Yes
2023/2024	2º	Algorithms for Big Data		Yes
2023/2024	2º	Big Data Processing	Bachelor Degree in Data Science;	Yes
2023/2024	2º	Big Data Processing and Modeling		Yes
2022/2023	2º	Algorithms for Big Data	Institutional Degree in Escola de Tecnologias e Arquitetura;	Yes
2022/2023	2º	Big Data Processing	Bachelor Degree in Data Science;	Yes
2022/2023	2º	Big Data Processing and Modeling	Post Graduation Program in Data Science;	Yes
2021/2022	2º	Algorithms for Big Data	Institutional Degree in Escola de Tecnologias e Arquitetura;	No
2021/2022	2º	Big Data Processing	Bachelor Degree in Data Science;	No
2021/2022	2º	Big Data Processing and Modeling		No
2020/2021	2º	Algorithms for Big Data		Yes
2020/2021	2º	Big Data Processing		Yes
2020/2021	2º	Big Data Processing and Modeling		Yes
2019/2020	1º	Algorithms for Big Data	Institutional Degree in Escola de Tecnologias e Arquitetura;	Yes
2018/2019	2º	Algorithms for Big Data		Yes

2018/2019	2º	Signal Theory		No
2017/2018	2º	Signal Theory		No
2017/2018	1º	Algorithms for Big Data		Yes
2017/2018	1º	Operating Systems	Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering;	No
2016/2017	2º	Algorithms for Big Data		Yes
2016/2017	2º	Signal Theory		No
2016/2017	2º	Signal Theory		No
2016/2017	1º	Operating Systems	Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2016/2017	1º	Operating Systems	Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2015/2016	2º	Algorithms for Big Data		Yes
2015/2016	1º	Fundamentals of Computer Architecture	Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	No
2015/2016	1º	Fundamentals of Computer Architecture	Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	No
2015/2016	1º	Introduction to Programming	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2015/2016	1º	Introduction to Programming	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2014/2015	1º	Fundamentals of Computer Architecture	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No

2014/2015	1º	Fundamentals of Computer Architecture	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2009/2010	1º	Operating Systems		No

Supervisions

• Ph.D. Thesis

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Maurício Machado da Rosa	Cardiac Function Assessment from Cardiac Imaging: Advancing Early Cardiac Diagnosis through Digital Image Processing, Physiological Modelling and AI	--	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Ariele Câmara	Knowledge-based machine learning approach to indirect prospecting methodologies for monument identification	English	Iscte	2025

• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Fábio Miguel Rato dos Santos	Enhanced image classification based on knowledge	Portuguese	Delivered	Iscte
2	André Filipe Cabaço Eusébio	Left Ventricle Segmentation in Echocardiography	English	Extended period	Iscte
3	Ana Carolina Alves Vieira	Impact of Diffusion-Based Brain MRI Super-Resolution on Supervised and Few-Shot Tumour Classification	--	Developing	Iscte
4	João Carlos da Levada Rodrigues	Self-Learning Optimum Security Policies	--	Developing	Iscte

5	Bernardo Silvério Jesus de Melo	An Explainability Technique for CT-Based Lung Nodule Classification Using LIDC-IDRI	--	Developing	Iscte
6	Rafael Pereira de Figueiredo	GRASPMORE - Hybrid approach of pruning and heuristic concepts for a optimized CNN.	--	Extended period	Iscte
7	Gonçalo dos Santos Revesso de Matos Pereira	Assessment of the alignment of good cybersecurity practices in organizations	--	Developing	Iscte
8	José Pedro Lukoki	Advanced Analytics in Triathlon: Insights on Athlete Performance Based on Big Data	--	Developing	Iscte
9	João Henrique Marques Silva	Heart diseases classification based on myocardium thickness	--	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	João Pedro Pinheiro Bicho	Applying ISO/ICAO Standards in an Institutional Photo using Deep Learning	English	Iscte	2025
2	Oleksandr Novytskyi	Medical Image Super-Resolution via Diffusion Probabilistic Models for Reducing False Negatives in Classification	English	Iscte	2025
3	Alexandre Afonso Rodrigues	Short-Axis and Long-Axis Segmentation of Left Ventricle	English	Iscte	2024
4	Ana Rita Paulo Raposo	OSCAR: A Software-Based System to Support Information Incident Response	English	Iscte	2024
5	José Miguel Nunes Fernandes	Covid-19 Classification From Magnetic Resonance Imaging Analysis	English	Iscte	2024
6	Pedro Miguel Ferreira Viegas Águas	Classification of Aortic Stenosis based on AI in MRI Scans	English	Iscte	2023
7	António Maria Sousa Gomes Neto	Fully Automatic Assessment for Left Ventricle Image Segmentation and Feature Extraction	English	Iscte	2023
8	Daniel André Barbosa Marçal	Element detection from satellite imagery through deep learning	English	Iscte	2023
9	Rui Filipe Correia Ferreira	Implementation of a Monitoring System for Students' Learning Paths	English	Iscte	2023
10	João Miguel Jorge Manuelito Faria	Assessment of Iscte's Cybersecurity Capabilities	English	Iscte	2023

11	Gonçalo Monteiro Cruz	Network anomalies detection via event analysis and correlation by a smart system.	English	Iscte	2022
12	Marcelle Cury Albuquerque Rodrigues	Proposal of a hybrid framework to promote the project management maturity in a public higher education institution	Portuguese	Iscte	2022
13	Miguel Salvador Pedroso	Enterprise Architecture in the Higher Education sector - A Case Study	English	Iscte	2021
14	José António Guerreiro Nunes Sanches Salvador	my Human Brain Project (mHBP)	English	Iscte	2021
15	Hugo Filipe Paulino dos Santos	Social Network Embeddings forChurn Prediction	English	Iscte	2020
16	David Galvão Chambel Caçador	Automatic Recognition of Megalithic Objects in Areas of Interest in Satellite Imagery.	English	Iscte	2020
17	Diogo Neto Coxinho Mourisco da Conceição	Open Source Face Recognition API	English	Iscte	2019
18	Ruben José Neri Salazar	Forecasting the capacity of LTE mobile networks	Portuguese	Iscte	2019
19	José Miguel Costa Ruivo	Deep neural networks for image quality: a comparison study for identification photos	English	Iscte	2018
20	Gonçalo Laginha Serafim San-Payo	Quality Control in Clothing Manufacturing with Machine Learning	English	Iscte	2018
21	Daria Baikova	Real Time Multiple Camera Person Detection and Tracking	Portuguese	Iscte	2018
22	Pedro Miguel da Luz Cabrita de Sousa Brosque	PROSHOT - assistente pessoal de fotografia	Portuguese	Iscte	2018
23	João Henriques Oliveira Gomes	Pulmonary Nodule Segmentation in Computed Tomography with Deep Learning	English	Iscte	2017

- **M.Sc. Final Projects**

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Joan Renato Barreda Concha	Machine-learning assisted epitaxy analysis	English	Extended period	Iscte

Total Citations

Web of Science®	598
Scopus	962

Publications

• Scientific Journals

- Scientific journal paper

1	Câmara, A., Almeida, A. de. & Oliveira, J. (2024). Transforming the CIDOC-CRM model into a megalithic monument property graph. Journal of Computer Applications in Archaeology, 7(1), 213?224. https://doi.org/10.5334/jcaa.151 - Times Cited Web of Science®: 2 - Times Cited Scopus: 4 - Times Cited Google Scholar: 5
2	Coelho, J., Mano, D., Paula, B., Coutinho, C., Oliveira, J., Ribeiro, R....Batista, F. (2023). Semantic similarity for mobile application recommendation under scarce user data. Engineering Applications of Artificial Intelligence, 121. https://doi.org/10.1016/j.engappai.2023.105974 - Times Cited Web of Science®: 7 - Times Cited Scopus: 6 - Times Cited Google Scholar: 8
3	Elvas, L. B., Águas, P., Ferreira, J., Oliveira, J., Dias, J. & Rosário, L. B. (2023). AI-based aortic stenosis classification in MRI scans. Electronics, 12(23). https://doi.org/10.3390/electronics12234835 - Times Cited Web of Science®: 8 - Times Cited Scopus: 7 - Times Cited Google Scholar: 9
4	Câmara, A., de Almeida, A., Caçador, D. & Oliveira, J. (2023). Automated methods for image detection of cultural heritage: Overviews and perspectives. Archaeological Prospection, 30(2), 153?169. https://doi.org/10.1002/arp.1883 - Times Cited Web of Science®: 22 - Times Cited Scopus: 31 - Times Cited Google Scholar: 41
5	Lopes, A., Oliveira, J., Sebastião, P., Sousa, M. & Vieira, P. (2021). A modular web-based software solution for mobile networks planning, operation and optimization. Applied Sciences, 11(16). https://doi.org/10.3390/app11167686 - Times Cited Web of Science®: 1 - Times Cited Scopus: 5 - Times Cited Google Scholar: 4
6	Santos, R., Leonardo, R., Barandas, M., Moreira, D., Rocha, T., Alves, P....Gamboa, H. (2021). Crowdsourcing-based fingerprinting for indoor location in multi-storey buildings. IEEE Access, 9, 31143?31160. https://doi.org/10.1109/ACCESS.2021.3060123 - Times Cited Web of Science®: 25 - Times Cited Scopus: 27 - Times Cited Google Scholar: 34

7	Oliveira, J., A.M. BRAGANÇA, Alcácer, L., Morgado, J., M. A. T. Figueiredo, Bioucas-Dias, J.M....Quirina Ferreira (2018). Sparse-coding denoising applied to reversible conformational switching of a porphyrin self?assembled monolayer induced by scanning tunnelling microscopy. Journal of Microscopy, 271(1), 98?108. https://doi.org/10.1111/jmi.12699 - Times Cited Web of Science®: 4 - Times Cited Scopus: 4 - Times Cited Google Scholar: 5
8	Oliveira, J., Figueiredo, M. A. T. & Bioucas-Dias, J. M. (2014). Parametric blur estimation for blind restoration of natural images: linear motion and out-of-focus. IEEE Transactions on Image Processing, 23(1), 466?477. https://doi.org/10.1109/TIP.2013.2286328 - Times Cited Web of Science®: 104 - Times Cited Scopus: 106 - Times Cited Google Scholar: 140
9	Oliveira, J. P., Bioucas-Dias, J. M. & Figueiredo, M. A. T. (2009). Adaptive total variation image deblurring: a majorization-minimization approach. Signal Processing, 89(9), 1683?1693. https://doi.org/10.1016/j.sigpro.2009.03.018 - Times Cited Web of Science®: 350 - Times Cited Scopus: 346 - Times Cited Google Scholar: 486

• Books and Book Chapters

- Book chapter

1	Câmara, A., de Almeida, A. & Oliveira, J. (2025). Representing spatial and contextual information about megalithic monuments and the landscape: A Knowledge-Graph approach.. In Stefania Stellacci, Serdar Aydin (Ed.), Endangered Heritage Sites: Enhanced Representations for Informed Solutions.. Springer Cham. - Times Cited Google Scholar: 1
2	Ferreira, R., Cardoso, E. & Oliveira, J. (2023). How can LMS affect student's motivation and engagement?. In Ruben Pereira, Isaias Bianchi, Álvaro Rocha (Ed.), Digital technologies and transformation in business, industry and organizations (pp. 183?195). Springer. https://doi.org/10.1007/978-3-031-40710-9_10 - Times Cited Scopus: 3 - Times Cited Google Scholar: 7
3	Dária Baikova, Maia, R., Santos, P., Ferreira, J. & Oliveira, J. (2019). Real Time Object Detection and Tracking. 9th International Symposium on Ambient Intelligence, ISAmI 2018 (pp. 129?137). https://doi.org/10.1007/978-3-030-01746-0_15 - Times Cited Google Scholar: 3
4	Oliveira, J. (2015). Reinventando o quadro. In Neuza Pedro (Ed.), E-Learning & Tecnologias Digitais: Experiências de Inovação Pedagógica no Ensino Superior. ULisboa Instituto de Inovação Pedagógica.
5	R. Rodrigues, J. Neves, Oliveira, J., A. Almeida, C. Belo, T. Hamalainen...K. Reddy (2000). Chapter 3.11 - Communication Networks. European Neurological Network (pp. 311?328). IOS Press. https://doi.org/10.3233/978-1-60750-922-6-311

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Câmara, A., Almeida, A. de. & Oliveira, J. (2024). Transforming the CIDOC-CRM model into a megalithic monument property graph. In Waagen, J., Verhagen, P., Hacigüzeller, P., Visser, R., Taelman, D., and Brandsen, A. (Ed.), CAA2023 Conference Proceedings. https://doi.org/10.5281/zenodo.7981230
2	Marçal, D., Câmara, A., Oliveira, J. & Almeida, A. M. de (2024). Evaluating R-CNN and YOLO V8 for megalithic monument detection in satellite images. In Leonardo Franco, Clélia de Mulatier, Maciej Paszynski, Valeria V. Krzhizhanovskaya, Jack J. Dongarra, Peter M. A. Sloot (Ed.), Computational Science: 24th International Conference, Proceedings (pp. 162?170). Springer. https://doi.org/10.1007/978-3-031-63759-9_20 - Times Cited Web of Science®: 6 - Times Cited Scopus: 9 - Times Cited Google Scholar: 9
3	Câmara, A., de Almeida, A. & Oliveira, J. (2023). Versioning: Representing cultural heritage evidences on CIDOC-CRM via a case study. Proceedings of International Conference on Information Technology and Applications. Lecture Notes in Networks and Systems (pp. 363?371). Springer. https://doi.org/10.1007/978-981-19-9331-2_31 - Times Cited Scopus: 2 - Times Cited Google Scholar: 3
4	Rodrigues, M. C., Domingues, L. & Oliveira, J. P. (2023). Tailoring: A case study on the application of the seventh principle of PMBOK 7 in a public institution. In Martinho, R., Rijo, R., Cruz-Cunha, M. M., Domingos, D., and Peres, E. (Ed.), Procedia Computer Science (pp. 1735?1743). Elsevier. https://doi.org/10.1016/j.procs.2023.01.468 - Times Cited Web of Science®: 6 - Times Cited Scopus: 5 - Times Cited Google Scholar: 20
5	Paula, B., Coelho, J., Mano, D., Coutinho, C., Oliveira, J., Ribeiro, R....Batista, F. (2022). Collaborative filtering for mobile application recommendation with implicit feedback. In Morel, L., Dupont, L., and Camargo, M. (Ed.), 2022 IEEE 28th International Conference on Engineering, Technology and Innovation (ICE/ITMC) and 31st International Association For Management of Technology (IAMOT) Joint Conference (pp. 1065?1073). IEEE. https://doi.org/10.1109/ICE/ITMC-IAMOT55089.2022.10033307 - Times Cited Web of Science®: 1 - Times Cited Scopus: 3 - Times Cited Google Scholar: 5
6	Rodrigues, M. C., Domingues, L. & Oliveira, J. P. (2022). Start project management from Scratch in an ICT department of a public higher education organization: How to manage change?. 22ª Conferência da Associação Portuguesa de Sistemas de Informação (CAPSI 2022) (pp. 316?326). Associação Portuguesa de Sistemas de Informação. https://doi.org/10.18803/capsi.v22.316-326 - Times Cited Scopus: 1
7	Coelho, J., Neto, A., Tavares, M., Coutinho, C., Oliveira, J., Ribeiro, R....Batista, F. (2021). Transformer-based language models for semantic search and mobile applications retrieval. In Cucchiara, R., Fred, A., & Filipe, J. (Ed.), Proceedings of the 13th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management (pp. 225?232). SCITEPRESS – Science and Technology Publications, Lda. https://doi.org/10.5220/0010657300003064 - Times Cited Web of Science®: 3 - Times Cited Google Scholar: 10

8	Ribeiro, E., Ribeiro, R., Batista, F. & Oliveira, J. (2020). Using topic information to improve non-exact keyword-based search for mobile applications. In Lesot, Marie-Jeanne and Vieira, Susana and Reformat, Marek Z. and Carvalho, João Paulo and Wilbik, Anna and Bouchon-Meunier, Bernadette and Yager, Ronald R. (Ed.), Information processing and management of uncertainty in knowledge-based systems (pp. 373?386). Springer. https://doi.org/10.1007/978-3-030-50146-4_28 - Times Cited Web of Science®: 2 - Times Cited Scopus: 4 - Times Cited Google Scholar: 5
9	Palma, F., Ferreira, N., Serrão, C., Oliveira, J., de Almeida, A. & Nunes, L. (2020). Automated security testing of android applications for secure mobile development. IEEE International Conference on Software Testing, Verification and Validation Workshops (pp. 222?231). IEEE. https://doi.org/10.1109/ICSTW50294.2020.00046 - Times Cited Web of Science®: 5 - Times Cited Scopus: 6 - Times Cited Google Scholar: 10
10	Lopes, J. P., Serrão, C., Nunes, L., De Almeida, A. & Oliveira, J. (2019). Overview of machine learning methods for Android malware identification. In Varol, A., Karabatak, M., Varol, C. and Teke, S. (Ed.), 2019 7th International Symposium on Digital Forensics and Security (ISDFS). IEEE. https://doi.org/10.1109/ISDFS.2019.8757523 - Times Cited Web of Science®: 9 - Times Cited Scopus: 16 - Times Cited Google Scholar: 24
11	Ferreira, Q., Bragança, A., Oliveira, J., Bioucas-Dias, J.M., Figueiredo, M. A. T., Alcácer, L....Morgado, J. (2015). Nanostructured coatings for intraocular devices with drug delivery function. In Alberto Cliquet Jr. (Ed.), BIODEVICES 2015 - International Conference on Biomedical Electronics and Devices. SCITEPRESS Digital Library.
12	Oliveira, J., M. A. T. Figueiredo & Bioucas-Dias, J.M. (2007). Blind estimation of motion blur parameters for image deconvolution. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). - Times Cited Web of Science®: 42 - Times Cited Scopus: 47 - Times Cited Google Scholar: 99
13	Bioucas-Dias, J.M., Figueiredo, M.A.T. & Oliveira, J. P. (2006). Total variation-based image deconvolution: A majorization-minimization approach. IEEE International Conference on Acoustics, Speech and Signal Processing (pp. II861?II864). https://doi.org/10.1109/ICASSP.2006.1660882 - Times Cited Google Scholar: 287
14	M. A. T. Figueiredo, Bioucas-Dias, J.M., Oliveira, J. & Nowak, R.D. (2006). On total variation denoising: A new majorization-minimization algorithm and an experimental comparison with wavalet denoising. Proceedings - International Conference on Image Processing, ICIP. https://doi.org/10.1109/ICIP.2006.313050 - Times Cited Scopus: 126 - Times Cited Google Scholar: 179
15	Bioucas-Dias, J.M., M. A. T. Figueiredo & Oliveira, J. (2006). Adaptive total variation image deconvolution: A majorization-minimization approach. European Signal Processing Conference. - Times Cited Scopus: 202 - Times Cited Google Scholar: 75
16	Bioucas-Dias, J.M., M. A. T. Figueiredo & Oliveira, J. (2006). Total Variation-Based Image Deconvolution: a Majorization-Minimization Approach. 2006 IEEE International Conference on Acoustics Speed and Signal Processing Proceedings (pp. II?861). IEEE. https://doi.org/10.1109/ICASSP.2006.1660479

- Talk

1	Lopes, A. L., Boavida, C. P., Cunha, C., Oliveira, J., Príncipe, Pedro & Vieira, André (2026). Helpdesk on Research Data Management: AI-based Chatbot for FAIR Research Data in Portugal. 20th International Digital Curation Conference (IDCC26),. https://doi.org/10.5281/zenodo.18988619
2	Alves, T., Cunha, C., Boavida, C. P. & Oliveira, J. (2026). RDMC-SSH: Research Data Management Centre for Social Sciences and Humanities. OPERAS 2026 & SCIROS Conference,. https://doi.org/10.5281/zenodo.19819763
3	Oliveira, J., Cunha, C., Boavida, C. P. & Cipriano, G. (2025). Centro de Gestão de Dados de Investigação para as Ciências Sociais e Humanas (RDMC-SSH). 12º Fórum Gestão de Dados de Investigação,.
4	Câmara, A., de Almeida, A. & Oliveira, J. (2023). Transforming the CIDOC-CRM model into a megalithic monument property graph.. CAA 2023: 50 Years of Synergy,. https://doi.org/10.5281/zenodo.7991473
5	Câmara, A., Oliveira, J. & de Almeida, A. (2022). Versioning: Representing Cultural Heritage Evidences on CIDOC-CRM via a case study. 16th International Conference on Information Technology and Applications (ICITA 2022),.
6	Matos, M., Martins, H., Oliveira, J., Sebastião, P., Ricardo Viegas, Bernardes, S.F....Purificação, S. (2022). PatientsUp : Um processo colaborativo para inovações em saúde. III Jornadas de Saúde societal,.
7	camara, A., de Almeida, A., Oliveira, J. & Silveira M, C. (2020). Photointerpretation as a Tool to Support the Creation of an Ontology for Dolmens. XXVII Jornadas de Classificação e Análise de Dados – JOCLAD2020,. - Times Cited Google Scholar: 2

- Conference paper not in proceedings

1	Alves, T., Cardoso, E., Oliveira, J., Saraiva, A., Cunha, C. & Costa, J. R. (2025). DAViD Lab: Liderando a Inovação em Digitalização e Visualização de Dados – Identidade e Propósito. XVI Encontro Anual de Parceiros do Roteiro das Minas e Pontos de Interesse Mineiro e Geológico de Portugal,.
2	Alves, T., Saraiva, A., Cardoso, E., Oliveira, J., Cunha, C. & Costa, J. R. (2025). DAViD Lab: Inovação na Digitalização e Visualização Avançada de Dados – Missão, e Objetivos. 5ª Jornadas Open Source,.

• Other Publications

- Non-peer-reviewed papers

1	Vitor Monteiro, Vitor Monteiro, Monteiro, V., Monteiro, V., Monteiro, V., Afonso, J. A....Oliveira, J. (2021). The Role of the Electric Vehicle in Smart Homes: Assessment and Future Perspectives. EAI Endorsed Transactions on Energy Web,, 168223. https://doi.org/10.4108/eai.25-1-2021.168223 - Times Cited Web of Science®: 1 - Times Cited Scopus: 2 - Times Cited Google Scholar: 3

- Other publications

1	Alves, T., Cardoso, E., Oliveira, J., Saraiva, A., Cunha, C. & Costa, J. R. (2025). Laboratório de Digitalização e Visualização Avançada de Dados. Ciência 2025,.
2	Câmara, A., de Almeida, A., Oliveira, J. & Marçal, D. (2023). Arqueologia e Comunicação na era da Big Data: do sítio arqueológico ao registo de monumentos e paisagens. Será este um dia FAIR?. Poster published: IV Congresso da Associação dos Arqueólogos Portugueses,.
3	Câmara, A., de Almeida, A. & Oliveira, J. (2022). KG-ML Approach Image Recognition for Cultural Heritage.. Poster published: Ciencia 2022 - Science and Technology in Portugal Summit,.
4	Câmara, Aríele, de Almeida, A., Oliveira, J. & Silveira, Mateus (2020). Photointerpretation as a Tool to Support the Creation of an Ontology for Dolmens. JOCLAD 2020,. - Times Cited Google Scholar: 2

Research Projects

Project Title	Role in Project	Partners	Period
OSIRIS-EU: Open Science inspiring Inclusive Research and Innovation towards Societal Impact in Europe	Researcher	Iscte-CI, USAL - Leader (Spain), The University of Edinburgh - (United Kingdom), UNIKENT - (United Kingdom), UM - (Malta), HÍ - (Iceland), MENTOR - (Greece), IBERCIVIS - (Spain), OAPEN - (Netherlands), IP - (France), CPN - (Serbia), AMTh - (Greece), LOUVAIN - (Belgium), CARTIF - (Spain), KU LEUVEN - (Belgium), ARDUINO AB - (Sweden)	2026 - 2030
LABORATÓRIO DE DIGITALIZAÇÃO E VISUALIZAÇÃO AVANÇADA DE DADOS (DAViDLab)	Global Coordinator	Iscte-CI - Leader, BRU-Iscte - Technical Coordinator, CEI-Iscte, CIES-Iscte, CIS-Iscte, DINAMIA'CET-Iscte - Technical Coordinator, CRIA-Iscte, IT-Iscte - Technical Coordinator, ISTAR-Iscte - Technical Coordinator, IMT - (Portugal), CML - (Portugal), ICOMOS-PT - (Portugal), EPHEMERA - (Portugal)	2025 - 2027
Centro de Gestão de Dados de Investigação para as Ciências Sociais e Humanas	Global Coordinator	Iscte-CI - Leader	2025
Research Data Management Network	Local Coordinator	Iscte, UMinho - Leader (Portugal), UC - (Portugal), UNL - (Portugal), IPB - (Portugal)	2025
Data Science for non-programmers	Researcher	ISTAR-Iscte (RAISE)	2019
AppRecommender: Intelligent App Distribution towards an Optimised App Discover	Researcher	Aptoide - Leader (Portugal), Caixa Mágica - Leader (Portugal)	2019 - 2021
Cloud-based Anti Malware Technology for Android App Stores	Researcher	ISTAR-Iscte (RAISE), Aptoide - Leader (Portugal)	2017 - 2018

Orquestracao Automatica Energeticamente Eficiente de Redes Moveis Optimizando a Qualidade de Experiencia	Researcher	IT-Iscte	2017 - 2019
Denoise Toolbox for Scanning Tunneling Microscopy Images	Local Coordinator	IT-Iscte	2016 - 2018
: Beyond Convexity: Non-Convex Optimization and Game-Theoretic Approaches for Imaging Inverse Problems	Local Coordinator	IT-Iscte	2013 - 2015
Regularization Criteria and Fast Algorithms for Imaging Inverse Problems	Local Coordinator	IT-Iscte	2010 - 2013
Novel Statistical Criteria for Blind Restoration and Reconstruction of Images	Researcher	IT-Iscte	2005 - 2008

Academic Management Positions

Director (2022 - 2025)
Unit/Area: Informatics Infrastructure and Communications Services

Director (2019 - 2022)
Unit/Area: Informatics Infrastructure and Communications Services

Membro (Docente) (2019 - 2021)
Unit/Area: Plenário do Conselho Pedagógico

Membro (Docente) (2017 - 2019)
Unit/Area: Comissão Pedagógica

Awards

Best paper award (2007)