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Catarina Ferreira da Silva

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Curriculum

Catarina Ferreira da Silva, PhD in Informatics (2007), is Full Professor (2026), scientific field of Information Systems at the Department of Information Science and Technology of the University Institute of Lisbon (ISCTE).
She is the Director of the Information Sciences, Technologies and Architecture Research Centre (ISTAR-Iscte) since 2023 and was the Director of the Master programme in Information Systems Management (from 2022 till March 2025), currently Subdirector of this same programme till March of 2027, Department of Information Science and Technology of the University Institute of Lisbon (Iscte), Portugal. She is integrated member of the Information Systems group of the research centre ISTAR. She is member of the Expert Panel of the European Blockchain Observatory and Forum, since 2021, and now part of the INATBA (International Association for Trusted Blockchain Applications). The EU Blockchain Observatory & Forum is an initiative sponsored by the European Commission, Directorate-General of Communications Networks, Content & Technology.
She had the pleasure to co-supervise 5 defended PhD and has the pleasure to supervise and co-supervise 8 ongoing PhD students.
Previous experiences
She was research member of the Information Systems (IS) research group of the Centre for Informatics and Systems of the University of Coimbra (CISUC), between 2009-2023 (Portugal).
Between January 2021 and August 2026, she was Associate Professor, Habilitation in Information Science and Technology (2020), DCTI, ISCTE.
Between October 2019 and December 2020, she was Assistant Professor at the DCTI, ISCTE.
Between 2013 and September 2019 she was Associate Professor at the Informatics Engineering Department of the Lyon 1 University Institute of Technology La Doua (IUT Doua), Campus LyonTech-La Doua, France. She was also researcher

member of the Service-Oriented Computing (SOC) team of the CNRS Laboratory of Informatics on Images and Information Systems (LIRIS UMR 5205) of Lyon, France. She was research assistant, at the University of Coimbra, member of the IS research group of the CISUC between 2009 and 2012. In 2008 and 2009, she was teacher at the Informatics Department of the University of Lyon 1, France and researcher member of the SOC research team of the LIRIS UMR 5205. Between 2004 and 2007, during the preparation of her PhD in Informatics, she worked as researcher at the Information Technology and Knowledge Dissemination Department (Division of Innovation and Services) of the Scientific and Technical Centre for Building (CSTB) at Sophia Antipolis, France. From 2004 to 2006 she was teaching assistant at the Informatics Department of the University Institute of Technology (IUT) of Nice and Sophia-Antipolis, France. She studied at the University of Aveiro, Portugal (pre-Bolonha Engineering degree, 1994-1999), at the University of Coimbra, Portugal (post-graduation, 2001-2002), at the Institut National des Sciences Appliquées de Lyon (master's degree - Information Systems, 2002-2003) and at the University of Lyon 1 (PhD in Informatics, 2004-2007).

Research Interests

Information Systems
Decentralised Ledger Technologies
Web 3.0
Blockchains
Digital Twins
Empowerment Tech
Interoperability of Information Systems
Semantic Web Ontologias

Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitário de Lisboa	Aggregation	Ciências e Tecnologias de Informação	2020
University Institute of Lisbon (ISCTE-IUL)	Aggregation	Habilitation in Information Science and Technology	2020
Universidade Claude Bernard Lyon 1	Post-Doc	Informatics	2008
Université Claude Bernard Lyon 1	PhD	Doutoramento Informática	2007
Universidade Claude Bernard Lyon 1	PhD	PhD in Informatics	2007
Institut National des Sciences Appliquées (INSA) de Lyon	M.Sc.	Masters' Degree in Informatics – Information Systems	2003
Institut National des Sciences Appliquées de Lyon	Advanced Studies	Mestrado em Informática	2003
Universidade de Coimbra	Post-graduation	Informatics Engineering	2002
University of Aveiro	Licenciate	Engineering	1999

External Professional Activities

Period	Employer	Country	Description
2013 - 2019	University Claude Bernard of Lyon, France	France	
2012 - 2013	University Claude Bernard of Lyon, France	France	
2009 - 2012	University of Coimbra	Portugal	
2006 - 2008	University Claude Bernard of Lyon, France	France	
2004 - 2006	University Institute of Technology of Nice and Sophia-Antipolis Côte d'Azur	France	
2003 - 2006	Centre of Scientific and Technical Construction	France	Researcher contract with CSTB, as a doctoral student at the LIRIS laboratory, Claude Bernard Lyon University 1, Lyon, partially funded by the Association Nationale de Recherche et Technologie (ANRT)
1999 - 2001	Aldeia e Irmão, S.A.	Portugal	

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.
2026/2027	2º	Blockchain	Institutional Degree in Escola de Tecnologias e Arquitetura;	Yes
2026/2027	2º	Information System Design and Development	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	Yes
2026/2027	1º	Strategic Management and Organizational Information Systems		Yes
2026/2027	1º	Data Storage in Decentralised Systems	Master Degree in Telecommunications and Computer Engineering;	Yes
2025/2026	2º	Blockchain	Institutional Degree in Escola de Tecnologias e Arquitetura;	Yes
2025/2026	2º	Information System Design and Development	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	Yes

2025/2026	1º	Data Storage in Decentralised Systems	Master Degree in Telecommunications and Computer Engineering;	Yes
2024/2025	2º	Strategic Management and Organizational Information Systems		Yes
2024/2025	2º	Information Technology and Knowledge Management		Yes
2024/2025	2º	Benefit Management and Information System Governance		Yes
2024/2025	2º	Blockchain	Institutional Degree in Escola de Tecnologias e Arquitetura;	Yes
2024/2025	2º	Information System Design and Development	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	Yes
2024/2025	1º	Information Technology and Knowledge Management		Yes
2024/2025	1º	Information System Design		Yes
2024/2025	1º	Seminar in Information System Management 2	Master Degree in Information Systems Management;	Yes
2024/2025	1º	Dissertation in Information System Management		Yes
2024/2025	1º	Data Storage in Decentralised Systems	Master Degree in Telecommunications and Computer Engineering;	Yes
2024/2025	1º	Cities Futures – Interdisciplinary Challenges	Specialization Seminar in Cities Futures – Interdisciplinary Challenges;	Yes
2023/2024	2º	Benefit Management and Information System Governance		Yes
2023/2024	2º	Information System Design and Development	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	Yes
2023/2024	1º	Information System Design		Yes
2023/2024	1º	Seminar in Information System Management 2	Master Degree in Information Systems Management;	Yes
2023/2024	1º	Dissertation in Information System Management		Yes

2023/2024	1º	Data Storage in Decentralised Systems	Master Degree in Telecommunications and Computer Engineering;	Yes
2022/2023	2º	Strategic Management and Organizational Information Systems		Yes
2022/2023	2º	Seminar in Information System Management 1		Yes
2022/2023	2º	Benefit Management and Information System Governance		Yes
2022/2023	2º	Dissertation in Information System Management		Yes
2022/2023	2º	Information System Design and Development	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	Yes
2022/2023	1º	Strategic Management and Organizational Information Systems		Yes
2022/2023	1º	Seminar in Information System Management 1		Yes
2022/2023	1º	Information System Design		Yes
2022/2023	1º	Seminar in Information System Management 2	Master Degree in Information Systems Management;	Yes
2022/2023	1º	Dissertation in Information System Management		Yes
2022/2023	1º	Data Storage in Decentralised Systems	Master Degree in Telecommunications and Computer Engineering;	Yes
2021/2022	2º	Information System Design and Development	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	Yes
2021/2022	1º	Data Storage in Decentralised Systems	Master Degree in Telecommunications and Computer Engineering;	Yes
2020/2021	2º	Information System Design and Development	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	Yes

2020/2021	1º	Data Storage in Decentralised Systems	Master Degree in Telecommunications and Computer Engineering;	Yes
2019/2020	2º	Iot for Smart Cities	Specialization Seminar in IoT for Smart Cities;	No
2019/2020	2º	Distributed Information Systems		No

Supervisions

• Ph.D. Thesis

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Beatriz Paulino	Predicting Street-Level air pollution using Multi-Source Data Fusion: Comparative Study of Lisbon and Lyon	English	Developing	Iscte
2	Rubia Scrocaro	Confiança e Sustentabilidade na Tramitação de Processos Electrónicos Jurídicos capacitada por Blockchain	Portuguese	Developing	Iscte
3	Filipe Nuno Rocha Aniceto Pinto	People - Centered DLT-IoT Architecture	English	Developing	Iscte
4	Ramzi Alayass	Explorando a resistência ao investimento em criptomoedas: o papel das expectativas e das capacidades.	--	Developing	Iscte
5	Alexandre dos Santos Tamer	Resilient Communication and Environmental Monitoring in Disaster Contexts	--	Developing	Iscte
6	Muhammad Ali Haider	Decentralized Architecture Supporting Interoperability, Storage, and Processing Capacity for Personal Health Data	English	Developing	Iscte
7	João Paulo Moleiro Domingues	Cybersecurity Risk Mitigation Strategies in Smart Grid Information Systems	--	Developing	Iscte
8	Mouloud Afoulous	Digital Wallets in the Metaverse: A Blockchain-Based Approach to Enhance Payment Systems	English	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year

1	Léo Besançon	Interoperability of blockchains systems	English	Universidade de Lyon 1	2021
2	Mouna Labiadh	Methodology for construction of adaptive models for the simulation of energy consumption in buildings	English	Universidade de Lyon 1	2021
3	Gavin Kemp	CURARE: curation and management of big data collections in the cloud	English	Universidade de Lyon 1	2018
4	Hind Benfenatki	Method for automated provisioning of service-oriented cloud business applications	French	Universidade de Lyon 1	2016
5	Cheikh Hito Kacfah Emani	Automatic and semantic formalization of business rules	English	Universidade de Lyon 1	2016

• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Ana Isabel Antunes Evangelista Loures Xavier	The 'right to be forgotten' in organisational information governance under GDPR, a systematic literature review	English	Delivered	Iscte
2	Husham Elfadil Ahmed Khartoum	Personal AI - Low-Cost C2DTA Edge Gateway Distribution	--	Developing	Iscte
3	Ajie Njar Takon	Personal AI - AI Agent Identity and Delegation Layer	--	Developing	Iscte
4	Rui Miguel Franco Duarte	Blockchain-powered Personal AI - Digital Twin Edge Gateway	Portuguese	Developing	Iscte
5	Artur Jorge Pinto Fernandes	Digital transformation in the internal management of public libraries: activity management process.	Portuguese	Delivered	Iscte
6	Zulmira de Fátima da Silva Bernardo	Technological design and process development of post-discharge monitoring	Portuguese	Developing	Iscte
7	João Diogo de Freitas Branco	Development of a Decentralized Digital Wallet for the Control of the Personal Digital Twin	--	Developing	Iscte
8	Pedro Miguel Sousa Almeida	Digital Wallet on Blockchain-powered Personal AI	--	Developing	Iscte
9	Simão Barroso Melo	Blockchain e Sustentabilidade: Implementação de uma Plataforma de Rastreabilidade de Matérias-Primas	--	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Bruno David Ibraimo Costa	ID Wallets and Digital Credentials in a context of mobility in education.	English	Iscte	2025
2	Hugo de Paula Costa	Blockchain in Maritime Transport - Interoperability of Bill of Lading on Blockchain Platforms	English	Iscte	2025
3	Maria João Borges Bogalho	Personal Digital Twin	English	Iscte	2025
4	Beatriz Alves Damião Correia Paulino	Risk Perception Assessment using Natural Language Processing in Social Neighbourhoods	English	Iscte	2025
5	Carolina da Silva Neto	Acceptance of digital technology in promoting financial literacy and managing personal finances in Portugal.	Portuguese	Iscte	2024
6	Beatriz Oliveira de La Fuente dos Santos	Development of the InCITIES Observatory focused on inclusion, sustainability and resilience indicators for cities	--	Iscte	2024
7	Luis Manuel Pacheco Figueiras	Digitization in an IT Department of Public Administration	Portuguese	Iscte	2024
8	Bernardo Miguel Carmezim	Optimization of the hospital discharge process with the development of a management support platform	English	Iscte	2024
9	José Pedro Camilo Queirós	Blockchain Digital Twins with Decentralized Storage and Provenance	English	Iscte	2023
10	João Paulo Moleiro Domingues	Acceptance and use of smart home technologies in Portugal	Portuguese	Iscte	2023
11	Bernardo Antunes Gomes Augusto	Blockchain Digital Twins Data Sharing	English	Iscte	2023
12	Pedro Filipe Moiteiro de Aquino	Blockchain-based Digital Twins Binding	English	Iscte	2023
13	David da Silva Almeida	Promissory Notes-Driven Data Trading Ocean Protocol Integration in a Personal Data Ecosystem	English	Iscte	2023
14	Simão Pedro Esteves Gonçalves	The influence of technologies on prevention/awareness of biotoxin records	Portuguese	Iscte	2023
15	Eric Lopes Sancha	Music Royalties Management Using Blockchain	English	Iscte	2022

16	Carolina Micaela Domingos Marques	Machine Learning as a tool to support prevention: identification of anxiety levels	Portuguese	Iscte	2022
17	João Rodrigues Carvalho	How machine learning and music can help detect and prevent anxiety disorder episodes	Portuguese	Iscte	2022
18	Ana Sofia Lourenço Alves	Exploring the Potential of Blockchain Technology in Real Estate: A Systematic Literature Review	English	Iscte	2022
19	Camilo Henao Uribe	From Physical to Digital: How Non-Fungible Tokens enable brands to legitimate products? value in the counterfeit fight	English	Iscte	2022
20	Margarida Martins Duarte	Analysis of the influence of non-pharmaceutical interventions and cultural differences on the evolution of COVID-19	English	Iscte	2021
21	Daniel Dantas Calé	Monitoring and analysis of energy consumption in public spaces	Portuguese	Iscte	2020
22	Harilanto Nandrianina Rakotovao	Automatic energetic simulation of buildings	English	Iscte	2019
23	Léo Besançon	Deep Learning for modification of sound data in real time	English	Iscte	2018
24	Mustapha Ouhimd	Energetic modeling of a set of buildings	French	Universidade de Lyon 1	2017
25	Achraf Rahmouni	IoT objects to manage the usage and exploitation of buildings	English	Iscte	2017
26	Sabrine Taissi	Analysis of Prices Fluctuation in the Airline Market	English	Universidade de Lyon 1	2016
27	Pedropablo Lopez Amaya	Big data management for intelligents transport systems and J2EE interface for formalization of business rules	French	Universidade de Lyon 1	2015
28	Daniel Guedes Barrigas	CloudAid2 - Agregation of Linked USDL Cloud Services using Multi-Criteria Methods	English	Universidade de Coimbra	2014
29	Iman Sassi	Migration to Cloud Computing	French	Universidade de Lyon 1	2014
30	Gavin Kemp	Service-Oriented Architecture for Cloud Application Development	English	Iscte	2014
31	Jorge Araújo	CloudAid - Semantic Mashups of Linked-USDL Services	English	Universidade de Coimbra	2013
32	Levi Baptista	GREAT - Graphical Rules Editing and Auditing Tool	English	Iscte	2012

- **M.Sc. Final Projects**

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	António Sérgio Veloso Nunes Simões	Information System for Dark Pattern Detection in Videogames	Portuguese	Delivered	Iscte

Total Citations

Web of Science®	354
Scopus	489

Publications

• Scientific Journals

- Scientific journal paper

1	Paulino, B., Stellacci, S., Mariano, P. & Ferreira da Silva, C. (2026). From text to insight: A natural language processing framework for analysing community perceptions for urban climate resilience. Urban Climate, 69. https://doi.org/10.1016/j.uclim.2026.103133
2	Steffen Neuner, Munschauer, C., Fekete, A., Stellacci, S., Buzna, L., Chovanec, D....Ferreira da Silva, C. (2026). Building-level physical vulnerability in Europe: Exterior vs interior indicators and GIS–BIM approaches for multiple-hazard risks: A systematic review. Urban Climate, 68. https://doi.org/10.1016/j.uclim.2026.103042
3	Pinto, F., Ferreira da Silva, C., Moro, S. & Aquino, P. (2026). Consumer-controlled digital twin architecture: How blockchain technology gives consumers control over their smart devices' digital twins and data. Blockchain: Research and Applications, 7(3). https://doi.org/10.1016/j.bcra.2025.100342 - Times Cited Web of Science®: 1 - Times Cited Scopus: 4 - Times Cited Google Scholar: 7
4	Fekete, A., Neuner, S., Munschauer, C., Buzna, L., Chovanec, D., Holla, K....Ferreira da Silva, C. (2025). An upscaling multi-level and multi-hazard risk assessment for heat and other natural hazards concerning vulnerable groups in Žilina, Slovakia. Natural Hazards, 121(19), 23021?23053. https://doi.org/10.1007/s11069-025-07722-1 - Times Cited Web of Science®: 4 - Times Cited Scopus: 4 - Times Cited Google Scholar: 8
5	Duarte, M., Ferreira da Silva, C. & Moro, S. (2025). Machine learning models to predict the COVID-19 reproduction rate: Combining non-pharmaceutical interventions with sociodemographic and cultural characteristics. Informatics for Health and Social Care, 50(2), 81?99. https://doi.org/10.1080/17538157.2025.2491517 - Times Cited Web of Science®: 1 - Times Cited Scopus: 1 - Times Cited Google Scholar: 1

6	Sarroeira, R., Henriques, J., Sousa, A. M., Ferreira da Silva, C., Nunes, N., Moro, S....Botelho, M. do C. (2023). Monitoring sensors for urban air quality: The case of the municipality of Lisbon. Sensors, 23(18). https://doi.org/10.3390/s23187702 - Times Cited Web of Science®: 15 - Times Cited Scopus: 12 - Times Cited Google Scholar: 23
7	Labiadh, M., Obrecht, C., Ferreira da Silva, C., Ghodous, P. & Benabdeslem, K. (2023). Query-adaptive training data recommendation for cross-building predictive modeling. Knowledge and Information Systems, 65(2), 707?732. https://doi.org/10.1007/s10115-022-01771-9 - Times Cited Web of Science®: 1 - Times Cited Scopus: 2 - Times Cited Google Scholar: 2
8	Duarte, M., Moro, S. & Ferreira da Silva, C. (2022). Does cultural background influence the dissemination and severity of the COVID-19 pandemic?. Heliyon, 8(2). https://doi.org/10.1016/j.heliyon.2022.e08907 - Times Cited Web of Science®: 7 - Times Cited Scopus: 9 - Times Cited Google Scholar: 9
9	Besancon, L., Ferreira da Silva, C., Ghodous, P. & Gelas, J.- P. (2022). A blockchain ontology for DApps development. IEEE Access, 10, 49905?49933. https://doi.org/10.1109/ACCESS.2022.3173313 - Times Cited Web of Science®: 32 - Times Cited Scopus: 43 - Times Cited Google Scholar: 62
10	Labiadh, M., Obrecht, C., Ferreira da Silva, C. & Ghodous, P. (2021). A microservice-based framework for exploring data selection for cross-building knowledge transfer. Service Oriented Computing and Applications, 15(2), 97?107. https://doi.org/10.1007/s11761-020-00306-w - Times Cited Web of Science®: 5 - Times Cited Scopus: 5 - Times Cited Google Scholar: 11
11	Ferreira da Silva, C. & Moro, S. (2021). Blockchain technology as an enabler of consumer trust: a text mining literature analysis. Telematics and Informatics, 60. https://doi.org/10.1016/j.tele.2021.101593 - Times Cited Web of Science®: 55 - Times Cited Scopus: 60 - Times Cited Google Scholar: 117
12	Ferreira, J., Ferreira da Silva, C. & José P. Martins (2021). Roaming service for electric vehicle charging using blockchain-based digital identity. Energies, 14(6). https://doi.org/10.3390/en14061686 - Times Cited Web of Science®: 24 - Times Cited Scopus: 28 - Times Cited Google Scholar: 36
13	Cheikh Kacfah Emani, Ferreira da Silva, C., Bruno Fiès & Ghodous, P. (2019). NALDO: From natural language definitions to OWL expressions. Data and Knowledge Engineering, 122, 130?141. https://doi.org/10.1016/j.datak.2019.06.002 - Times Cited Web of Science®: 4 - Times Cited Scopus: 5 - Times Cited Google Scholar: 11
14	Benfenatki, H., Ferreira da Silva, C., Kemp, G., Benharkat, A.-N., Ghodous, P. & Maamar, Z. (2017). MADONA: a method for automated provisioning of cloud-based component- oriented business applications. Service Oriented Computing and Applications, 11, 87?100. https://doi.org/10.1007/s11761-016-0199-0 - Times Cited Scopus: 13 - Times Cited Google Scholar: 20

15	Benfenatki, Hind , Ferreira da Silva, C., Benharkat, Aïcha-Nabila , Ghodous, P. & Maamar, Zakaria (2017). Linked USDL Extension for Describing Business Services and Users' Requirements in a Cloud Context. International Journal of Systems and Service-Oriented Engineering, 7(3), 15?31. https://doi.org/https://dl.acm.org/doi/10.4018/IJSSOE.2017070102 - Times Cited Web of Science®: 5 - Times Cited Google Scholar: 10
16	Melo, P., Rupino da Cunha, P., Ferreira da Silva, C. & Macedo, A. (2017). Automatic run-time versioning for BPEL processes. Service Oriented Computing and Applications, 11(3), 315?327. https://doi.org/10.1007/s11761-017-0211-3 - Times Cited Scopus: 2 - Times Cited Google Scholar: 4
17	Coutinho, C., Cretan, A., Ferreira da Silva, C., Ghodous, P. & Jardim-Goncalves, R. (2016). Service-based negotiation for advanced collaboration in enterprise networks. Journal of Intelligent Manufacturing, 27(1), 201?216. https://doi.org/10.1007/s10845-013-0857-4 - Times Cited Web of Science®: 23 - Times Cited Scopus: 21 - Times Cited Google Scholar: 33
18	Kemp, Gavin , López Amaya, P., Ferreira da Silva, C., Vargas-Solar, G., Ghodous, P. & Collet, C. (2016). Big Data Collections and Services for Building Intelligent Transport Applications. International Journal of Electronic Business Management, 14(1). https://doi.org/https://dblp.org/rec/journals/ijebm/KempASVGC16.html - Times Cited Google Scholar: 4
19	Kemp, G., Vargas-Solar, G., Ferreira da Silva, C., Ghodous, P., Collet, C. & López Amaya, P. (2016). Cloud big data application for transport. International Journal of Agile Systems and Management, 9(3), 232?250. https://doi.org/10.1504/IJASM.2016.079940 - Times Cited Web of Science®: 6 - Times Cited Scopus: 8 - Times Cited Google Scholar: 8
20	Kacfah Emani, C.H., Ferreira da Silva, C., Fiès, B. & Ghodous, P. (2016). Improving Open Information Extraction for Semantic Web Tasks. Lecture Notes in Computer Science, 9630, 139?158. https://doi.org/10.1007/978-3-662-49521-6_6 - Times Cited Scopus: 1 - Times Cited Google Scholar: 4
21	Khalfallah, M., Figay, N., Ferreira da Silva, C. & Ghodous, P. (2016). A cloud-based platform to ensure interoperability in aerospace industry. Journal of Intelligent Manufacturing,, 119?129. https://doi.org/10.1007/s10845-014-0897-4 - Times Cited Web of Science®: 26 - Times Cited Scopus: 27 - Times Cited Google Scholar: 37
22	Kacfah Emani, C.H., Ferreira da Silva, C., Fiès, B. & Ghodous, P. (2015). BEAUFORD: A Benchmark for Evaluation of Formalisation of Definitions in OWL. Open Journal of Semantic Web, 2(1), 4?15. - Times Cited Google Scholar: 3
23	Figay, N., Ghodous, P., Ghafour, S. A., Ferreira da Silva, C. & Expósito, E. (2015). Pragmatic PLM process interoperability for aeronautic, space and defence DMN. Journal of Aerospace Operations, 3(3,4), 147?166. https://doi.org/10.3233/AOP-150050 - Times Cited Web of Science®: 2 - Times Cited Google Scholar: 3

24	Jardim-Goncalves, R., Coutinho, C., Cretan, A., Ferreira da Silva, C. & Ghodous, P. (2014). Collaborative negotiation for ontology-driven enterprise businesses. Computers in Industry, 65(9), 1232?1241. https://doi.org/10.1016/j.compind.2014.01.001 - Times Cited Web of Science®: 13 - Times Cited Scopus: 15 - Times Cited Google Scholar: 21
25	Cretan, A., Ferreira da Silva, C., Coutinho, C., Jardim-Goncalves, R. & Ghodous, P. (2013). Framework for ontology-based Negotiation to support enterprise interoperability in cloud-based environments. International Journal of Electronic Business Management, 11(3), 168?177. - Times Cited Google Scholar: 4
26	Vargas-Solar, G., Ferreira da Silva, C., Ghodous, P. & Zechinelli-Martini, J.-L. (2013). Moving energy consumption control into the cloud by coordinating services. International Journal of Computers and their Applications, 20(4), 236?244. - Times Cited Google Scholar: 1
27	Ferreira da Silva, C., Melo, P., Paulo Rupino da Cunha & Milheiro, P. (2013). Using Semantics to Discover Web Services based on Partial Data: An Update of Previous Research. International Journal of Strategic Information Technology and Applications, 4(4), 44?59. https://doi.org/10.4018/ijsita.2013100103
28	Ferreira da Silva, C., Hoffmann, P. & Ghodous, P. (2011). Improve Business Interoperability Through Context-Based Ontology Reconciliation. International Journal of Electronic Business Management, 9(4), 281?295. - Times Cited Google Scholar: 4
29	Ferreira da Silva, C., Médini, L., Ghafour, S. A., Hoffmann, P. , Ghodous, P. & Lima, C. (2006). Semantic Interoperability of Heterogeneous Semantic Resources. Electronic Notes in Theoretical Computer Science, 150(2), 71?85. https://doi.org/10.1016/j.entcs.2005.11.035 - Times Cited Web of Science®: 4 - Times Cited Scopus: 12 - Times Cited Google Scholar: 27
30	Slimani, K., Ferreira da Silva, C., Medini, L. & Ghodous, P. (2006). Conflict mitigation in collaborative design. International Journal of Production Research, 44(9), 1681?1702. https://doi.org/10.1080/00207540500445198 - Times Cited Web of Science®: 37 - Times Cited Scopus: 41 - Times Cited Google Scholar: 63

- Review article

1	Pinto, F., Ferreira da Silva, C. & Moro, S. (2022). People-centered Distributed Ledger Technology-IoT architectures: A systematic literature review. Telematics and Informatics, 70. https://doi.org/10.1016/j.tele.2022.101812 - Times Cited Web of Science®: 12 - Times Cited Scopus: 15 - Times Cited Google Scholar: 21

• Books and Book Chapters

- Book chapter

1	Silva, C. F. da, Geada, N., Teixeira, B., Guimarães, F., Costa, J. & Souza Junior, O. (2023). Metodologia andragógica por projeto: Aplicação à conceção e desenvolvimento de sistemas de informação. In Joana Alexandre, Alexandre Almeida, Ana Espírito-Santo, Ana Lúcia Martins, Cecília Aguiar, Nádia Simões (Ed.), Exemplos de práticas pedagógicas e estratégias de inovação pedagógica no Iscte (pp. 93?110). Iscte - Instituto Universitário de Lisboa.
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• Conferences/Workshops and Talks

- Publication in conference proceedings

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- Talk

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2	Ferreira da Silva, C. (2025). Take Action for the Sustainable Development Goals Insights from 2 international projects InCITIES and RETIME. Iscte International Staff Week Promote EU values and active citizenship in a challenging world,.
3	Ferreira da Silva, C. (2025). Invited guest on the Roundtable on tips and views from successful applicants – Portuguese Innovation National Agency (ANI) info session Horizon Europe. Info Session Horizon Europe: Built4People & New European Bauhaus European Funding for the Built Environment, Neighborhoods and Urban Planning,.
4	Ferreira da Silva, C. & Domingues, João Paulo Moleiro (2024). Acceptance and use of smart home technologies: a focus on Portugal. International Conference on Web Information Systems Engineering – WISE 2024 - Lecture Notes in Computer Science (LNCS) 15438,.
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9	Ferreira da Silva, C., Livitckaia, K., Alboaie, S., Ellul, J., Revolidis, I., Szego, D....Joshi, A. (2023). Decentralised Social Media online webinar - European Commission Blockchain Observatory and Forum. Decentralised Social Media online webinar - Blockchain Observatory and Forum,.
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13	Ferreira da Silva, C., Paulo Rupino da Cunha & Almeida, P. (2021). Leveraging Blockchain for a living, trustable curriculum vitae. 18th European Mediterranean & Middle Eastern Conference on Information Systems,.
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19	Paulo Rupino da Cunha, Melo, P. & Ferreira da Silva, C. (2013). Avoiding lock-in: timely reconfiguration of a virtual cloud platform on top of multiple PaaS and IaaS providers. Avoiding lock-in: timely reconfiguration of a virtual cloud platform on top of multiple PaaS and IaaS providers,.
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21	Ferreira da Silva, C. (2005). Interoperability among knowledge models in cooperative environments. Standards OWL-STEP-AMD,.
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- Conference paper not in proceedings

1	Afoulous, M. & Ferreira da Silva, C. (2025). Digital wallets in the metaverse: A blockchain-based approach to enhance payments. Blockchain Technology and Emerging Applications: 4th EAI International Conference, BlockTEA 2025, Proceedings,.

• Other Publications

- Non-peer-reviewed papers

1	Fernanda Santos Pereira, Ferreira da Silva, C., Guimarães, F., Sousa, M., Fernandes, C. S. & Costa, J. C. W. A. (2015). Data Management System for Structural Health Monitoring. IEEE Latin America Transactions,. https://doi.org/10.1109/TLA.2015.7106362 - Times Cited Web of Science®: 2 - Times Cited Scopus: 3

- Other publications

1	Dahlborn, Åsa , Ferreira da Silva, C., Budris, Fabio, Treiblmaier, Horst , Vasiliu-Feltes, I., Mason, J....Sedej, Tomaz (2025). Building Trust: Integrating AI, Blockchain, and Digital Identity. Building Trust: Integrating AI, Blockchain, and Digital Identity - International Association for Trusted Blockchain Applications,.
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- Master's Dissertation

1	Ferreira da Silva, C. (2003). Gestion des connaissances et atténuation des conflits dans un environnement coopératif..

- Doctoral Thesis

1	Ferreira da Silva, C. (2007). Discovery of semantic mappings between semantic resources in a cooperative environment., 1?256. - Times Cited Google Scholar: 7

Research Projects

Project Title	Role in Project	Partners	Period
Comparative analysis of school outdoor spaces in primary schools using Digital Twin and GEO-BIM	Researcher	ISTAR-Iscte (DLS), - - (France)	2026
EQUIPAR+: National Investment to Strengthen Scientific Equipment in Research and Development Units	Principal Researcher	ISTAR-Iscte - Leader	2025 - 2026
EQUIPAR+2: National Investment to Strengthen Scientific Equipment in Research and Development Units	Principal Researcher	ISTAR-Iscte - Leader	2025 - 2026
The European University for Future Cities	Work Package Leader	Iscte, Université Gustave Eiffel - Leader (France), AVANS - (Netherlands), LAUREA - (Finland), TH KOLN - (Germany), UHU - (Spain), IUAV - (Italy), UTB - (Czech Republic), UNIZA - (Slovakia), BFH - (Switzerland)	2025 - 2028
Urban Adaptation and Alert Solutions for a TIMEly (re)Action	Global Coordinator	ISTAR-Iscte (IS) - Global coordinator, ISTAR-Iscte (DLS), UNIZA - (Slovakia), DANMARKS TEKNISKE UNIVERSITET - (Denmark), WEO SAS - (Luxembourg), KAJO SRO - (Slovakia), ICONS - (Italy), ONE - (Italy), TUU - (Portugal), UP - (Portugal), LIST - (Luxembourg), TECNALIA - (Spain), UDEUSTO - (Spain), TH KOLN - (Germany), ŽSK - (Slovakia), IBS - (Estonia), TEAM - (Spain), VELTIS - (Spain), LCC - (Portugal)	2024 - 2028

Decentralize Portugal with blockchain agenda	Researcher	ISTAR-Iscte, BRU-Iscte, CIES-Iscte, CIS-Iscte, VOID - Leader (Portugal), INESC-ID - (Portugal), IST-ID - (Portugal), UM - (Portugal), IPLeiria - (Portugal), BioGHP - (Portugal), INESC TEC - (Portugal), INOV - (Portugal)	2023 - 2025
Trailblazing Inclusive, Sustainable and Resilient Cities	Global Coordinator	Iscte - Leader, TH KOLN - (Germany), LAUREA - (Finland), UNI EIFFEL - (France), UNIZA - (Slovakia)	2022 - 2025
Data science analysis for environmental inequalities	Global Coordinator	CIES-Iscte, ISTAR-Iscte (IS)	2022 - 2023
Impact of Blockchains and Decentralised Ledger Technologies	Global Coordinator	ISTAR-Iscte	2021 - 2022
Summer with Science Trainning	Researcher	ISTAR-Iscte (RAISE)	2020

Academic Management Positions

Sub-diretor (2025 - 2027)
Unit/Area: Master Degree in Information Systems Management

Membro (Docente) (2025 - 2027)
Unit/Area: Plenário do Conselho Científico

Director (2024 - 2025)
Unit/Area: Master Degree in Information Systems Management

Membro (Docente) (2023 - 2025)
Unit/Area: Plenário do Conselho Científico

Director (2023 - 2026)
Unit/Area: Information Sciences, Technologies and Architecture Research Center

Membro (Docente) (2023 - 2026)
Unit/Area: Comissão Científica

Presidente (2023 - 2026)
Unit/Area: Comissão Científica

Coordenador do 2º Ano (2022 - 2025)
Unit/Area: Master Degree in Information Systems Management

Coordenador do 1º Ano (2022 - 2025)
Unit/Area: Master Degree in Information Systems Management

Director (2022 - 2024)
Unit/Area: Master Degree in Information Systems Management

Awards

AUDAX_Iscte 2023 FISTA (Forum of Iscte School of Technology and Architecture) to the results of the project Data science analysis for environmental inequalities (DSAEI) (2023)

European Commission distinction “Good Practice Example” attributed to the European project BLISS - Blockchain skills for ICT professionals (2020)

Doctoral and Research Supervision Bonus (Prime d’Encadrement Doctoral et de Recherche, French National Council of Universities): 2019-2022 (2019)

Doctoral and Research Supervision Bonus (Prime d’Encadrement Doctoral et de Recherche, French National Council of Universities): validity 2014-2018 (2018)

Doctoral and Research Supervision Bonus (Prime d'Encadrement Doctoral et de Recherche, French National Council of Universities) (2018)

Doctoral and Research Supervision Bonus (Prime d’Encadrement Doctoral et de Recherche, French National Council of Universities): validity 2014-2018 (2017)

European Commission distinction "Erasmus+ Success Story” and “Good Practice Example” attributed to the European project Vet4Apps - Strategic partnership to develop innovative VET open educational resources for mobile apps entrepreneurs (2017)

Doctoral and Research Supervision Bonus (Prime d’Encadrement Doctoral et de Recherche, French National Council of Universities): validity 2014-2018 (2016)

Doctoral and Research Supervision Bonus (Prime d’Encadrement Doctoral et de Recherche, French National Council of Universities): validity 2014-2018 (2015)

Doctoral and Research Supervision Bonus (Prime d’Encadrement Doctoral et de Recherche, French National Council of Universities): validity 2014-2018 (2014)

Doctoral and Research Supervision Bonus (Prime d'Encadrement Doctoral et de Recherche, French National Council of Universities) (2014)

Research Quality Bonus (Bonus Qualité Recherche), Lyon Claude Bernard University, France (2013)

Research Networks

Research Network Name	Representative Role	Period
EU Blockchain Observatory and Forum	Investigadora	Since 2020
International Association for Trusted Blockchain Applications	Investigadora	Since 2024

Professional Associations

Invited member Technical Committee TC 208 – Blockchain and distributed ledger technologies (DLT), Portuguese Institute for Quality, International Organization for Standardization (Since 2025)

Member of the Expert Panel of the European Blockchain Observatory and Forum (Since 2020)

Member of the French research group (GDR) 3708 CNRS - MaDICS: Masses de Données, Informations et Connaissances en Sciences (Since 2015)

Organization/Coordination of Events

Type of Organization/Coordination	Event Title	Organizer	Year

Member of scientific event committee	2026 Track Decentralized Applications (DAPP) with Blockchain, DLT and Crypto-Currencies	The 41th ACM Symposium on Applied Computing - ACM SAC 2026 DAPP Track	2026
Member of scientific event committee	The 26th International Conference on Web Information Systems Engineering (WISE)	WISE conference Organizing Committee	2025
Member of scientific event committee	17th International Conference on Knowledge Engineering and Ontology Development (KEOD 2025)	KEOD chairs and INSTICC	2025
Member of scientific event committee	22nd European, Mediterranean, and Middle Eastern Conference on Information Systems (EMCIS 2025)	EMCIS 2025 - 22nd European, Mediterranean and Middle Eastern Conference on Information Systems	2025
Member of scientific event committee	research component of Euro-Atlantic Disaster Response Coordination Centre (EADRCC) of the North Atlantic Treaty Organization (NATO) and the Republic of Bulgaria, 20th NATO EADRCC Emergency Management Exercise “BULGARIA 2025”	NATO and Republic of Bulgaria	2025
Coordination of scientific event (with scientific committee) at ISCTE-IUL	The 16th International Conference on Ubiquitous and Future Networks	The Korean Institute of Communications and Information Sciences	2025
Member of scientific event committee	IEEE Global Blockchain Conference	IEEE, Tongji University, Shanghai, China	2025
Member of scientific event committee	Workshop on Large Language Models for Service-Oriented Architectures and Systems Design in conjunction with the 37th International Conference on Advanced Information Systems Engineering (CAISE)	37th International Conference on Advanced Information Systems Engineering (CAISE)	2025
Member of scientific event committee	Dependable and Secure Web3 Blockchain and Smart Contracts Workshop (DepWeb3)	20th European Dependable Computing Conference	2025
Member of scientific event committee	Track Decentralized Applications (DAPP) with Blockchain, DLT and Crypto-Currencies	The 40th ACM Symposium on Applied Computing - ACM SAC 2025 DAPP Track	2025
Member of scientific event committee	The 25th International Web Information Systems Engineering conference	Web Information Systems Engineering conference organization committee, Qatar University	2024
Member of scientific event committee	Cloud Computing Track Chair	EMCIS 2024 - 21th European, Mediterranean and Middle Eastern Conference on Information Systems	2024
Member of scientific event committee	IEEE Global Blockchain Conference	IEEE, Tongji University, Shanghai, China	2024

Member of scientific event committee	Track Decentralized Applications (DAPP) with Blockchain, DLT and Crypto-Currencies	The 39th ACM Symposium on Applied Computing - ACM SAC 2024 DAPP Track	2024
Member of scientific event committee	Proponent of the Track Cloud Computing	EMCIS 2023 - 20th European, Mediterranean and Middle Eastern Conference on Information Systems	2023
Member of scientific event committee	3rd International Conference on Blockchain Technology and Information Security	ICBCTIS committee	2023
Member of scientific event committee	Track Decentralized Applications (DAPP) with Blockchain, DLT and Crypto-Currencies	The 38th ACM Symposium on Applied Computing - ACM SAC 2023 DAPP Track	2023
Member of scientific event committee	Proponent of the Track Cloud Computing	EMCIS 2022 - 19th European, Mediterranean and Middle Eastern Conference on Information Systems	2022
Member of scientific event's organizing committee	ISTAR PhD Meeting Spring 2022	ISTAR Iscte	2022
Member of scientific event committee	Track Decentralized Applications (DAPP) with Blockchain, DLT and Crypto-Currencies	The 37th ACM Symposium on Applied Computing - ACM SAC 2022 DAPP Track	2022
Member of scientific event committee	Proponent and session chair of the track Cloud Computing	EMCIS 2021 - 18th European, Mediterranean and Middle Eastern Conference on Information Systems	2021
Member of scientific event committee	Program committee member of the track Blockchain Technology and Applications	EMCIS 2021 - 18th European, Mediterranean and Middle Eastern Conference on Information Systems	2021
Member of scientific event committee	Program committee member of the track Blockchain Technology and Applications	EMCIS 2020 - 17th European, Mediterranean and Middle Eastern Conference on Information Systems	2020
Member of scientific event committee	Proponent of the Track Cloud Computing	EMCIS 2020 - 17th European, Mediterranean and Middle Eastern Conference on Information Systems	2020
Member of scientific event's organizing committee	SUSTAINABLE CITIES - Viewpoints of the Pioneer Alliance; Open session Integrated with the Summer School IoT for Smart Cities School 2020	Istar_Iscte	2020
Member of free course/summer school's organizing committee	International Winter school IoT and Blockchain for smart cities (2020)	Istar_Iscte	2020

Member of scientific event's organizing committee	Panel IoT and Blockchain for Smart Cities - International Winter school IoT and Blockchain for smart cities (2020)	ISTAR-Iscte	2020
Member of scientific event committee	Proponent of the session Cloud Computing	15th European, Mediterranean and Middle Eastern Conference on Information Systems	2018
Member of scientific event committee	Chair of the session “Cloud Computing”	14th European, Mediterranean and Middle Eastern Conference on Information Systems (EMCIS)	2017
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	Invited chair of the session IT Governance	14th European, Mediterranean and Middle Eastern Conference on Information Systems (EMCIS)	2017
Member of scientific event committee	Proponent of the session Cloud Computing	14th European, Mediterranean and Middle Eastern Conference on Information Systems	2017
Member of scientific event committee	Proponent of the session Cloud and Distributed Computing Track	10th ACS/IEEE International Conference on Computer Systems and Applications (AICCSA)	2013
Member of scientific event's organizing committee	Leading the Web in Concurrent Engineering	13th ISPE International Conference on Concurrent Engineering: Research and Applications	2006

Diffusion Activities

Activity Type	Event Title	Activity Description	Year
Talk/Conference in public diffusion event	Iscte International Staff Week on promotion of European values and active citizenship	Presentation of the Horizon Europe funded projects InCITIES and RETIME	2025
Talk/Conference in public diffusion event	Info Session Horizon Europe: Built4People & New European Bauhaus European Funding for the Built Environment, Neighborhoods and Urban Planning - Portuguese Innovation Agency (ANI)	Invited panelist on Tips and views from successful applicants, as coordinator of the Horizon Europe funded RETIME project	2025

Talk/Conference in public diffusion event	InCITIES-PIONEER Knowledge Transfer Webinar	Horizon Europe funded InCITIES consortium organised an InCITIES-PIONEER knowledge transfer webinar, where InCITIES activities, methods and results were presented to both InCITIES and PIONEER+ communities. This webinar sessions focused on Education & Ecosystem, Research, Equality, Diversity and Inclusion, and Human Resources Strategy for Researchers (HRS4R).	2025
Coordination of knowledge diffusion event	Roundtable on resilient and inclusive sustainable cities - International Portugal Smart Cities summit 2025	This round table provided an overview of some of the initiatives underway, as well as the challenges we continue to face. Entities involved: CP Comboios de Portugal (Eng. Leão Mendes), Transportes Metropolitanos de Lisboa (António Pinheiro), TUU (Eng. Rita Januário), João Guerreiro (Associate Professor with Aggregation, Iscte) Catarina Ferreira da Silva (moderator, Associate Professor with Aggregation, Iscte)	2025
Talk/Conference in public diffusion event	Portugal Smart Cities summit 2024	Presentation of the EU project InCITIES	2024
Talk/Conference in public diffusion event	2nd Meeting of LxData - Lab - Lisbon Urban Data Laboratory	Presentation of the paper Monitoring sensors for urban air quality: The case of the municipality of Lisbon; Authors: Rodrigo Sarroeira, Catarina Ferreira da Silva, João Henriques, Ana M. Sousa, Nuno Nunes, Sérgio Moro, Maria do Carmo Botelho	2024
Participation in general diffusion news tv show	Decentralised Social Media online workshop - EU Blockchain Observatory and Forum	Member of the discussion panel on Decentralised Social Media	2023
Talk/Conference in public diffusion event	Portugal Smart Cities Summit 2023	Article presentation Monitoring sensors for urban air quality: The case of the municipality of Lisbon; authors: Rodrigo Sarroeira, Catarina Ferreira da Silva, João Henriques, Ana M. Sousa, Nuno Nunes, Sérgio Moro, Maria do Carmo Botelho	2023
Talk/Conference in public diffusion event	ISTAR research centre - Data-driven decision support systems	On the 21st of June ISTAR_Iscte hosted the ISTAR's Research Day Meeting, from 9h00 to 13h00 at the Aud. Afonso Barros, Iscte. This meeting consists of research topics presentation and debate.	2022
Participation in general diffusion news tv show	Television documentary on Blockchain, series Algorithms, RTP3 channel Informação (Portugal)	Invitation to intervene in the documentary on Blockchain in the series Algorithms, broadcast on RTP3 channel Informação (Portugal) - Episode 2 - 02 November 2022	2022

Talk/Conference in public diffusion event	Portugal Smart Cities Summit 2022	Presentation of the Horizon Europe InCITIES project - sustainable, resilient and inclusive cities. Auditório City HUB Stage, side event - 12 October 2022, 15h30	2022
Talk/Conference in public diffusion event	Debate Encounters with Impact: Blockchain and Decentralization	Invitation to debate on Blockchain and Decentralization within the third event of the Encontros com Impacto cycle. It took place on September 22 at Casa do Impacto, Lisboa. It was intended to demystify the real uses of blockchain, address the relationship with the promise of decentralization and inquire about the main criticisms surrounding this technology – namely the energy cost, deregulation of sectors, etc. It is in this sense that divergent perspectives came together.	2022
Talk/Conference in public diffusion event	1st SocioDigital Lab Conference 2022 - Digital Transformation in Times of Crisis - 2nd day	Round table Environmental future and digital transformation: from local to global: https://istar.iscte-iul.pt/sociodigitalconf-eng/122-2/	2022
Talk/Conference in public diffusion event	Portugal Smart Cities Summit 2022	Presentation resulting from the work of the DSAEI project, Environmental Inequalities in the Lisbon Metropolitan Area, at the Portugal Smart Cities Summit 2022, involving Rodrigo Sarroeira, Catarina Ferreira da Silva, João Henriques, Ana M. Sousa, Nuno Nunes, Sérgio Moro, Maria do Carmo Botelho	2022
Talk/Conference in public diffusion event	EMCIS 2021 - 8th European Mediterranean & Middle Eastern Conference on Information Systems	Leveraging Blockchain for a living, trustable curriculum vitae	2021
Talk/Conference in public diffusion event	IEEE@Home Blockchain Series	Invited talk Blockchain Skills for ICT Professionals	2020
Member of organizing committee of knowledge diffusion event	SUSTAINABLE CITIES - Viewpoints of the Pioneer Alliance; Open session Integrated with Summer School IoT for Smart Cities School 2020	Member of scientific event's organizing committee and session co-chair, involving speakers from Université Gustave Eiffel (France), National Technical University of Athens (Greece), University of Zilina (Slovakia), Laurea University of Applied Sciences (Finland), TH Koln University (Germany)	2020
Coordination of knowledge diffusion event	Panel IoT and Blockchain for Smart Cities of the International Winter School IoT and Blockchain for Smart Cities	Co-organizer and co-chair of the round table Panel IoT and Blockchain for Smart Cities da Escola de Inverno IoT and Blockchain for Smart Cities. This round table was open to the entire ISCTE-IUL community and companies, involved 8 speakers among teachers researchers and professionals	2020

Coordination of knowledge diffusion event	International Winter School IoT and Blockchain for Smart Cities	International Winter School IoT and Blockchain for Smart Cities, suported by ISTAR-IUL	2020
Member of organizing committee of knowledge diffusion event	Information Day European projects Nebula and VET4APPS	Information Day Nebula and VET4APPS that brought together a hundred researchers and entrepreneurs, July 2016, University of Claude Bernard Lyon 1, Villeurbanne, France	2016
Member of organizing committee of knowledge diffusion event	Symposium of the Portuguese Association of Researchers in Science and Technology	Member of the local organizing committee of the ANICT symposium (2012)	2012
Member of organizing committee of knowledge diffusion event	Web and Cloud	Information Day Web and Cloud, that brought together a hundred researchers and entrepreneurs, 21 November 2012, University of Claude Bernard Lyon 1, Villeurbanne, France	2012

Scientific Editing/Reviewing Activities

Type of Activity	Journal Title	ISSN/Quartile	Period	Language
Scientific journal editor	Energies Special Issue "Energy Efficiency of Blockchain and Distributed Ledger Technologies"	1996-1073 / Q1	2021	English
Scientific journal editor	Concurrent Engineering: Research and Applications International Journal, Guest editor Special Issue on Cloud IoT	15312003 / Q1	2017 - 2018	English
Scientific journal editor	International Journal of Electronic Business Management, special issue guest editor	1728-2047	2012 - 2013	English

Products

Product Type	Product Title	Detailed Description	Year

Software (Open Source)	InCITIES Observatory	The InCITIES Observatory, developed under the InCITIES Horizon Europe funded project, automatically collects and aggregates indicators to assess the Inclusion, Sustainability, and Resilience of cities of InCITIES. Eurostat data relevant to these domains were selected, aggregated, and integrated into the application through automated retrieval. Priority is given to local data at the NUTS3 level to ensure sufficient granularity for accurate city-level comparisons and performance assessments. Indicators were chosen with historical data available since 2014, enabling the Observatory to provide insights into the evolution of urban inclusion, sustainability, and resilience.	2025
Software (Open Source)	Air Pollution Web App	As a result of the DSAEI project (https://ciencia.iscte-iul.pt/projects/data-science-analysis-for-environmental-inequalities/1740), an application was developed to visualise various parameters that characterise pollution. This App was selected and presented at the Prototypes for Humanity world event, held in Dubai.	2023