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Francisco Guimarães



Research Interests

Enterprise Architecture

IT Solution Architecture and Development

Business Intelligence

Artificial Intelligence

Virtual and Augmented Reality

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord
2026/2027	2º	Knowledge Discovery and Extraction From Data	Bachelor Degree in Computer Science and Business Management (PL);	No
2026/2027	1º	Introduction to Machine Learning	Master Degree in Computer Engineering; Master Degree in Artificial Intelligence;	No

2026/2027	1°	Object Oriented Programming	Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering;	No
2025/2026	1°	Introduction to Machine Learning	Master Degree in Artificial Intelligence;	No
2025/2026	1°	Object Oriented Programming	Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering;	No
2024/2025	2°	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;	No
2023/2024	2°	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;	No
2022/2023	2°	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;	No
2021/2022	2°	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;	No
2020/2021	2°	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;	No

Supervisions

• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	António José Branco Teixeira	Business Intelligence and Machine Learning applied to Sustainable Mobility: the MOVIZE Case Study	--	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Renato Valentim Figueira Franco	Application of Ontologies to Contracts for Difference Key Information Documents	English	Iscte	2023

• M.Sc. Final Projects

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Pedro Ribeiro dos Milagres Miranda da Silva	Estratégia de Modernização de Infraestrutura de TI Híbrida para a Adoção de IA em um Banco Central	--	Developing	Iscte

Total Citations

Web of Science®	2
Scopus	3

Publications

• 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). Lisboa: Iscte - Instituto Universitário de Lisboa.
2	Nunes, L., Cardoso, E., de Almeida, A., Ribeiro, R., Guimarães, F., Mamede, R.P....Ferreira, J. (2023). Inteligência artificial para a administração pública como experiência pedagógica. 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. 52-63). Lisboa: Iscte - Instituto Universitário de Lisboa.

• 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. - Times Cited Web of Science®: 2 - Times Cited Scopus: 3
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Research Projects

Project Title	Role in Project	Partners	Period
Interoperability and traceability of information on irregularities in European fund management systems in Portugal	Researcher	ISTAR-Iscte (SCM)	2025 - 2026