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Francisco Guimarães

Professor Associado Convidado
Department of Information Science and Technology (ISTA)



Contacts

E-mail	Francisco_Jose_Guimaraes@iscte-iul.pt
Office	D6.10

Curriculum

Francisco José Rosales Santana Guimarães has a degree in Computer Science from the Faculty of Sciences of Lisbon, University of Lisbon (1993), a postgraduate degree in eBusiness from the Superior Institute of Economics and Management (2001), a master's degree in information systems from ISCTE (2006), Postgraduate in Graphic Expression, Color and Image from Universidade Aberta (2006), PhD in Digital Media Art at Universidade do Algarve and Universidade Aberta (2018) and PhD in Enterprise Intelligence at Universidade de Évora (2018). It also has PMI/PMP and ISACA/CGEIT certifications, in addition to advanced certification in Banking Management by the Instituto de Formação Bancária. He is visiting professor at ISCAC in Project Management and Audit since 2013 and visiting professor at ISCTE in Design and Development of Information Systems since 2020. He is president of ISACA Lisbon Chapter 2020-2022. He also has extensive professional experience in the areas of Systems Architecture, Enterprise Architectures, Artifical Intelligence, Business Intelligence and IT Governance & Management.

Research Interests

- Enterprise Architecture
- IT Solution Architecture and Development
- Business Intelligence
- Artificial Intelligence

Virtual and Augmented Reallity

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;	No
2026/2027	1º	Object Oriented Programming	Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering;	No
2025/2026	1º	Introduction to Machine Learning	Master Degree in Artificial Intelligence;	No
2025/2026	1º	Object Oriented Programming	Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering;	No
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;	No
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;	No
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;	No
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;	No
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;	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). 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). 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,. https://doi.org/10.1109/TLA.2015.7106362 - Times Cited Web of Science®: 2 - Times Cited Scopus: 3

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