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## José Pereira dos Reis

### Professor Auxiliar

ISTAR-Iscte - Information Sciences, Technologies and Architecture Research Centre  
Department of Information Science and Technology (ISTA)



## Contacts

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## Curriculum

José Reis holds a PhD in Information Science and Technology by Iscte-IUL.

Master's degree in Computer Engineering at the Universidade Nova de Lisboa – Faculdade de Ciências e Tecnologias (UNL - FCT), and Bachelor's degree in electrotechnical engineering (Systems and Communications) at the Instituto Superior de Engenharia de Lisboa.

At present, I am working in software engineering, specifically in software quality.

I am a professor in the scientific area of computer Science, teaching subjects such as, software engineering, decision support systems, project management, information systems, etc.

It was Quality Coordinator and Audit at Universidade Europeia - Laureate International Universities and Deputy direction at Instituto Superior de Línguas e Administração de Lisboa. I collaborated with several companies, such as Conhecer Mais II- Consultoria em Tecnologias de Informação, Lda (this company is Business Solution Partner of Microsoft Business Solutions to market education and training in Portugal in developing ERP solutions), ITCODE (development the Zib - An addictive stock market game online learning), DBG (development of school management software), ENSINUS (coordinator of Information Technology Center), INSA-Instituto Nacional de Saúde Dr. Ricardo Jorge (coordinator facilities Office and Equipment ), ATEC - Training Academy (Consultant / Trainer).

## Research Interests

Software Engineering
Software Quality
Code smells
Machine Learning

## Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitario de Lisboa	PhD	Information Science and Technology	2022
FCT-UNL	M.Sc.	Mestrado Engenharia Informática	2008
ISEL	Licenciante	Engenharia Electrotécnica - Sistemas e Comunicações	1994
ISEL	Bachelor of Science	Engenharia Electrónica e Telecomunicações - Sistemas Digitais	1991

## Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord
2025/2026	2º	Software Engineering	Bachelor Degree in Computer Science and Business Management;	No
2025/2026	1º	Software Engineering	Bachelor Degree in Computer Engineering;	No
2025/2026	1º	Software Architecture and Design	Master Degree in Computer Engineering;	No
2024/2025	2º	Software Engineering	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
2024/2025	2º	Algorithm Design and Analysis	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering;	No
2024/2025	1º	Object Oriented Programming	Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2023/2024	2º	Software Engineering	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering;	No

2023/2024	1°	Software Engineering	Bachelor Degree in Telecommunications and Computer Engineering;	No
2022/2023	2°	Software Engineering	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°	Software Engineering	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	1°	Software Engineering	Bachelor Degree in Telecommunications and Computer Engineering;	No
2020/2021	2°	Software Engineering	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	1°	Software Engineering	Bachelor Degree in Telecommunications and Computer Engineering;	No
2019/2020	2°	Software Engineering II		No
2019/2020	1°	Software Engineering I		No

## Supervisions

### • M.Sc. Dissertations

#### - Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Rute Beatriz de Frias Roque	IDE Plugin for Code Smells Viewer	--	Developing	Iscte
2	Luís Daniel Martins Fraga	Code Smell Detection	--	Developing	Iscte

#### - Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Aleff Rodrigues Mendes de Oliveira	IDE Plugin for Metrics Collection from Java Code;The Lisbon Case Study	English	Iscte	2025

## Total Citations

Web of Science®	100
Scopus	106

## Publications

### • Scientific Journals

#### - Scientific journal paper

1	Dias, T., Branco, P. D. & Reis, J. P. (2025). The impact of 5G technology on the internet of things and society. <i>Kriativ.tech.</i> 1 (11)
2	Reis, J., Brito e Abreu, F. & Figueiredo Carneiro, G. (2022). Crowdsourcing: A preliminary study on using collective knowledge in code smells detection. <i>Empirical Software Engineering.</i> 27 (3) - Times Cited Web of Science®: 14 - Times Cited Scopus: 16 - Times Cited Google Scholar: 21
3	Caldeira, J., Brito e Abreu, F., Cardoso, J. & Reis, J. (2022). Unveiling process insights from refactoring practices. <i>Computer Standards and Interfaces.</i> 81 - Times Cited Web of Science®: 7 - Times Cited Scopus: 7 - Times Cited Google Scholar: 14

#### - Review article

1	Caldeira, J., Brito e Abreu, F., Cardoso, J., Simões, R., Oliveira, T. C. & Reis, J. (2023). Software development analytics in practice: A systematic literature review. <i>Archives of Computational Methods in Engineering.</i> 30 (3), 2041-2080 - Times Cited Web of Science®: 3 - Times Cited Scopus: 3 - Times Cited Google Scholar: 8
2	Pereira dos Reis, J., Brito e Abreu, F., Carneiro, G. & Anslow, C. (2022). Code smells detection and visualization: A systematic literature review. <i>Archives of Computational Methods in Engineering.</i> 29, 47-94 - Times Cited Web of Science®: 44 - Times Cited Scopus: 44 - Times Cited Google Scholar: 102

### • Conferences/Workshops and Talks

#### - Publication in conference proceedings

1	Reis, J. P. dos., Brito e Abreu, F., Carneiro, G. de F. & Almeida, D. (2023). Scientific workflow management for software quality assessment replication: An open source architecture. In Fernandes, J. M., Travassos, G. H., Lenarduzzi, V., and Li, X. (Ed.), <i>Quality of Information and Communications Technology. Communications in Computer and Information Science.</i> (pp. 1-14). Aveiro, Portugal: Springer.
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2	<p>Caldeira, J., Brito e Abreu, F., Reis, J. &amp; Cardoso, J. (2019). Assessing software development teams' efficiency using process mining. In 2019 International Conference on Process Mining (ICPM). (pp. 65-72). Aachen: IEEE.</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 18</li> <li>- Times Cited Scopus: 22</li> <li>- Times Cited Google Scholar: 27</li> </ul>
3	<p>Reis, J. P., Abreu, F. B. &amp; Carneiro, G. F. (2017). Code smells detection 2.0: Crowdsmeelling and visualization. In Reis, L. P., Rocha, A., Alturas, B., Costa, C. and Cota, M. P. (Ed.), 2017 12th Iberian Conference on Information Systems and Technologies (CISTI). (pp. 1764-1768). Lisbon, Portugal: IEEE.</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 2</li> <li>- Times Cited Scopus: 6</li> <li>- Times Cited Google Scholar: 12</li> </ul>
4	<p>Reis, J. P. dos, Abreu, F. B. e &amp; Carneiro, G. de F. (2016). Code smells incidence: Does it depend on the application domain?. In Paulk, M., Brito, M. A., Amaral, V., Machado, R. J. and Goulão, M. (Ed.), 2016 10th International Conference on the Quality of Information and Communications Technology (QUATIC). (pp. 172-177). Lisbon: IEEE.</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 8</li> <li>- Times Cited Scopus: 8</li> <li>- Times Cited Google Scholar: 10</li> </ul>

#### - Talk

1	<p>Reis, J., Brito e Abreu, F., Glauco de Figueiredo Carneiro &amp; Sampaio de Almeida, D. (2023). Scientific workflow management for software quality assessment replication: An open source architecture. 16th International Conference on the Quality of Information and Communications Technology.</p>
2	<p>Reis, J. (2018). Streamlining Code Smells: Using Collective Intelligence and Visualization. Winter School 2018 ISTAR-IUL.</p>
3	<p>Reis, J., Brito e Abreu, F. &amp; Glauco de Figueiredo Carneiro (2017). Code smells detection 2.0: Crowdsmeelling and visualization. 12th Iberian Conference on Information Systems and Technologies (CISTI) .</p>
4	<p>Reis, J., Brito e Abreu, F. &amp; Carneiro, G. (2016). Code smells incidence: does it depend on the application domain?. 10th International Conference on the Quality of Information and Communications Technology (QUATIC'2016).</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 4</li> </ul>

## Research Projects

Project Title	Role in Project	Partners	Period
Data Science for non-programmers	Researcher	ISTAR-Iscte (RAISE )	2019
Sustainability and authenticity in the tourism offer	Researcher	ISTAR-Iscte (RAISE ), ESHTe - (Portugal), GEOTA - (Portugal), FFCT/FCT/UNL - (Portugal), ISPA - (Portugal), ICNF - (Portugal)	2017 - 2018