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Fernando Brito e Abreu

Professor Associado

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



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Curriculum

Fernando Brito e Abreu holds a Ph.D. in Computer Engineering from IST/UL and is an associate professor in the Department of Information Sciences and Technologies at Iscte-IUL, where he has held various positions such as director of the Master's Degree in Computer Science and Management (MIG), member of Iscte-IUL's Scientific Council representing the ISTAR-IUL Research Unit and responsible for DCTI's internationalization. He was previously an assistant professor in the Department of Informatics at FCT/UNL. He also taught at ISEGI/UNL (now NOVA IMS), IST/UTL, ISEG/UTL, and the Air Force Academy. He was also a guest lecturer at the Département Informatique of the École des Mines de Nantes for a decade, as part of the EMOOSE European master's degree. At these universities, he taught and was responsible for around a dozen subjects in the 1st, 2nd, and 3rd cycles. He has supervised more than 30 dissertations, including 10 PhDs, 6 of which have already been completed.

He was a researcher in the Software Engineering Group at INESC Lisboa, in the CITI research center (Center for Informatics and Information Technologies) at FCT/UNL and later was one of the founders of the ISTAR-IUL research unit at Iscte-IUL, where he created and was the 1st coordinator of the Software Systems Engineering group, where he remains today. He promoted the signing of various applied research/technology transfer and/or collaboration protocols between: (i) INESC and the Portuguese Navy, (ii) CS/03 and itSMF Portugal, (iii) NAV EPE and FCT/UNL, (iv) SINFIC and FCT/UNL, (v) Turismo de Portugal and Iscte-IUL and (vi) GEOTA and Iscte-IUL. In addition to the projects funded and developed under these protocols, he has coordinated research teams in various national and international scientific projects.

He has produced more than two hundred scientific and technical texts, including articles in journals such as Empirical Software Engineering, Software Quality Journal, Archives of Computational Methods in Engineering, Science of Computer Programming, Journal of Systems and Software, IEEE Latin America, Object Expert, Computer Standards & Interfaces, ERCIM News, Personal Computer World, L'Objet, Qualirama, Sistemas de Informação e Interface. His work has been cited nearly 4K times, with an h-index close to 30, according to Google Scholar. He pioneered in Portugal in Empirical Software Engineering with his research group QUASAR (QUAntitative Approaches in Software engineering And Reengineering). Among his proposals are the MOOD (Metrics for Object Oriented Design) suite, currently used in the software industry and the Metamodel Driven Measurement (M2DM) approach. The latter allows the abstract formalization of metrics over a domain metamodel using OCL, a constraint specification language that is part of UML. M2DM has been applied in various domains (e.g. object-oriented design, component-based development, business process modeling, IT infrastructure modeling).

He is currently an editor of the Software Quality Journal (Springer) and was previously associate editor of Software Quality Professional (American Society for Quality), Portuguese delegate to IFIP TC2 (Software: Theory and Practice), and member of the technical team of the MPS.BR process model, widely used in Brazil. He has been a regular reviewer for various international journals, conferences, and workshops, as well as an evaluator of research projects. He has participated in the organization of national and international scientific events in a wide variety of roles. He was also president of CS/03 (Sectorial Commission for Quality in Information and Communications Technologies), of the Portuguese Quality Institute, from 2000 to 2007, where he was one of the creators of the international QUATIC conference (<https://www.quatic.org>). In 2021 he was elected Chairman of the QUATIC Series Scientific Steering Committee.

Research Interests
Smart Tourism
Digital Transformation
ICT for Sustainability
Empirical Software Engineering
Software Quality
Process Modelling, Mining and Simulation
Model Driven Development
Software Evolution

Academic Qualifications			
University/Institution	Type	Degree	Period
Instituto Superior Técnico - UTL	PhD	Engenharia Informática e de Computadores	2001
Universidade de Lisboa Instituto Superior Técnico	M.Sc.	Engenharia Electrotécnica e de Computadores	1989
Universidade de Lisboa Instituto Superior Técnico	Licenciate	Eng. ^a Electrotécnica / Ramo de Telecomunicações e Electrónica	1985
Escola Superior Náutica Infante D. Henrique	Bachelor of Science	Oficial Radiotécnico da Marinha Mercante	1979

External Professional Activities

Period	Employer	Country	Description
Since 2015	ISTA Research (ISTAR)	Portugal	Full Researcher
2014 - 2020	Software Quality Professional Journal, American Society for Quality	United States of America	Associate Editor
2013 - 2014	Centro de Investigação em Sistemas e Tecnologias de Informação Avançados (ADETTI-IUL), ISCTE-IUL	Portugal	Associate Researcher
2005 - 2010	FCT/UNL	Portugal	Assistant Professor (with tenure)
2002 - 2014	Centro de Informática e Tecnologias de Informação (CITI), FCT/UNL	Portugal	Full Researcher
2001 - 2005	ISEGI/UNL (currently NOVA IMS)	Portugal	Invited Assistant Professor
2000 - 2013	Software Quality Professional Journal, American Society for Quality	United States of America	Editorial Board Member
2000 - 2005	FCT/UNL	Portugal	Assistant Professor
1998 - 2000	FCT/UNL	Portugal	Teaching Assistant
1998 - 2009	École des Mines de Nantes (currently IMT Atlantique), France	France	Invited Professor
1994 - 2001	INESC	Portugal	Researcher
1989 - 1998	ISEG/UTL	Portugal	Teaching Assistant
1988 - 1989	ISEG/UTL	Portugal	Teaching Assistant (intern)

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord
2025/2026	2º	Software Engineering	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Science and Business Management;	Yes
2025/2026	1º	Software Engineering	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering;	Yes
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	1°	Process Modeling and Deployment		No
2024/2025	1°	Software Engineering		No
2023/2024	1°	Process Modeling and Deployment		Yes
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
2022/2023	1°	Research Methodologies in Computer Science and Business Management		Yes
2022/2023	1°	Process Modeling and Deployment		Yes
2022/2023	1°	Software Engineering	Bachelor Degree in Telecommunications and Computer Engineering;	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°	Research Methodologies in Computer Science and Business Management		Yes
2021/2022	1°	Process Modeling and Deployment		Yes
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°	Research Methodologies in Computer Science and Business Management		Yes
2020/2021	1°	Process Modeling and Deployment		Yes
2019/2020	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;	Yes

2019/2020	1°	Research Methodologies in Computer Science and Business Management		Yes
2018/2019	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;	Yes
2018/2019	1°	Research Methodologies in Computer Science and Business Management		Yes
2018/2019	1°	Experimental Software Engineering		Yes
2017/2018	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;	Yes
2017/2018	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;	Yes
2017/2018	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;	Yes
2017/2018	1°	Research Methodologies in Computer Science and Business Management		Yes
2017/2018	1°	Experimental Software Engineering		Yes
2015/2016	2°	Software Engineering II		Yes
2015/2016	1°	Experimental Software Engineering		Yes
2015/2016	1°	Software Engineering I		Yes
2014/2015	2°	Software Engineering II		Yes
2014/2015	2°	Software Engineering II		Yes
2014/2015	1°	Experimental Software Engineering		Yes

2014/2015	1º	Introduction to Programming	Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering;	No
2013/2014	2º	Software Engineering II		Yes
2013/2014	2º	Software Engineering II		Yes

Supervisions

• Ph.D. Thesis

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Duarte Sampaio Belchior de Almeida	Digital twinning for managing tourism crowding phenomena	English	Developing	Iscte
2	António Miguel Portugal Galvão	Data and Algorithms Written for Nature	English	Developing	Universidade Nova de Lisboa
3	Rodrigo José Bravo Simões	Modeling and Visualizing Flows in Smart Cities	English	Developing	Iscte
4	Tomás Miguel Mestre dos Santos	Gestão de apinhamentos com base na atividade dos dispositivos móveis	Portuguese	Developing	Iscte
5	Diogo Francisco Machado Cosme	AI Assistants and Agents in Geographic Information Systems	English	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	José Américo Alves Sustelo Rio	Web Systems Quality Evolution: a web smells approach	English	Iscte	2023
2	José Vicente Pereira dos Reis	Streamlining Code Smells: Using Collective Intelligence and Visualization	English	Iscte	2022
3	João Carlos Palmela Pinheiro Caldeira	Software Development Process Mining: Discovery, Conformance Checking and Enhancement	English	Iscte	2021
4	Luís Alexandre Ferreira da Silva	A Pattern-Based Approach to Scaffold the IT Infrastructure Design Process	English	FCT / Universidade Nova de Lisboa	2017
5	Anacleto Cortez e Correia	Quality of Process Modeling Using BPMN: A Model-Driven Approach	English	FCT / Universidade Nova de Lisboa	2014

6	Miguel Carlos Pacheco Afonso Goulão	Component-Based Software Engineering: a Quantitative Approach	English	Universidade NOVA de Lisboa Faculdade de Ciências e Tecnologia	2008
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• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Celso Emanuel Daniel Ribeiro	Personalization of Tourism Experiences through Conversational Interfaces and Recommendation Systems	--	Developing	Iscte
2	Rute Beatriz de Frias Roque	IDE Plugin for Code Smells Viewer	--	Developing	Iscte
3	Crisany Analtino da Silva José	Interoperability and Integration of Platforms for Smart Cities	--	Developing	Iscte
4	Manuel Alvarez Couto Martins	Criação de rotas turísticas com base em dados	--	Developing	Iscte
5	João Pedro Nunes de Oliveira	Adaptive architecture for self-configuring sensors.	--	Developing	Iscte
6	Luís Daniel Martins Fraga	Code Smell Detection	--	Developing	Iscte
7	Lourenço de Sousa Cordeiro	Augmented Coding: Cloud based REST API to support the collaborative software process improvement	--	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Carolina Sofia Mendonça Camilo	Augmented Business Process Management: Adaptive SLT definition based on process variant analysis	English	Iscte	2025
2	Tiago Filipe Alves Vieira	Design and Evaluation of a Real-Time, Energy-Aware Wireless Pedestrian Counting Sensor Using Passive and Active Technologies	English	Iscte	2025
3	Aleff Rodrigues Mendes de Oliveira	IDE Plugin for Metrics Collection from Java Code;The Lisbon Case Study	English	Iscte	2025
4	Frederico Miguel Afonso Ferreira	Digital twins in the context of Digital Transition for Classic Cars Restoring: Case study of a classic car restoration shop	English	Universidade Nova de Lisboa	2024
5	José Miguel Pereira Murta	Trustworthy Classic Car Restoration's History using Blockchain	English	Universidade Nova de Lisboa	2024

6	Rodrigo José Bravo Simões	Spatiotemporal Crowding Visualization Platform	English	Iscte	2024
7	Maria Inês Monteiro Celorico	Classic car spare parts for restoration: International supply chain and environmental impact	English	Iscte	2024
8	Diogo Francisco Machado Cosme	Smart ETL and LLM-based contents classification: the European Smart Tourism Tools Observatory experience	English	Iscte	2024
9	Rodrigo Ulisses Lopes Gomes	Combining Different Data Sources for Industrial Process Monitoring: Experimenting in a Classic Car Restoration Workshop	English	Universidade Nova de Lisboa	2023
10	Afonso Mastbaum de Sousa Figuinha	An Optimized DevOps Pipeline, for Every Business Size	English	Universidade Nova de Lisboa	2023
11	João Carlos Cambaia Gomes de Almeida	A gamified mobile app for promoting campus-community engagement: The case of ISCTE's 50th anniversary	English	Iscte	2023
12	Tomás Miguel Mestre dos Santos	Smart Tourism Toolkit for Crowd-monitoring Solutions.	English	Iscte	2023
13	Pedro Miguel Estrela de Moura	Developing and Validating Process-Aware GUIs in an Industrial Setting: The Case of a Classic Car Restoration Shop	English	Universidade Nova de Lisboa	2022
14	Diogo Saraiva Cavalheiro Neves Pereira	An Automated System for Monitoring and Control Classic Cars' Restorations: An IoT-based Approach	English	Universidade Nova de Lisboa	2021
15	Diogo Filipe dos Santos Tito Lívio	Process-Based Monitoring in Industrial Context: The Case of Classic Cars Restoration	English	Universidade Nova de Lisboa	2021
16	Duarte Sampaio Belchior de Almeida	Urban Tourism Crowding Dynamics: Carrying Capacity and Digital Twinning	English	Iscte	2021
17	Filipe Eduardo da Silva Vida Larga	A mobile tour guide app for sustainable tourism	English	Iscte	2020
18	João Pedro Grangeia Gomes	Learning to code in class with MOOCs: process, factors and outcomes	English	Iscte	2020
19	Rúben André Sousa Beirão	A multiple criteria route recommendation system	English	Iscte	2020
20	Maria Pedro dos Santos Sales	Highlighting Model Elements to Improve OCL Comprehension	English	Iscte	2020
21	Ana Rita Henrique Peixoto	A Graph-Based Approach for Sustainable Walking Tour Recommendations: the Case of Lisbon Overcrowding	English	Iscte	2019
22	Rúben Dias da Silva	A turism crowding sensor using multiple techniques detection	English	Iscte	2019

23	Luís Gustavo Sardinha Henriques Sales Delgado	ISO/IEC 20000 Maturity Model	English	Iscte	2018
24	Katia Isabelle Palmar Duarte	Limitations in the Support to Modularity in MATLAB: a Survey-based Empirical Study	English	FCT / Universidade Nova de Lisboa	2017
25	Hugo Miguel Salva Barona	Checking and Improving Business Process Models in BPMN2	English	Iscte	2016
26	Luis Miguel Pires Teixeira da Silva	Model-driven generative programming for BIS mobile applications	English	Iscte	2014
27	Marco André Marques Roque	Animation of BPMN Business Processes Models	English	Iscte	2014
28	Pedro Janeiro Coimbra	An eclipse plugin for metamodel driven measurement	English	Iscte	2013
29	Tiago Alexandre Simões Pessoa	A Semi-automatic Approach to Code Smells Detection	English	FCT / Universidade Nova de Lisboa	2011
30	Raquel Helena de Bragança Vasconcelos da Porciúncula	Governança e Modelação de Processos de TI	Portuguese	FCT / Universidade Nova de Lisboa	2010
31	José Carlos Gonçalves Costa	MGPSI – Metodologia de Gestão de Projectos Aplicada ao Desenvolvimento de Sistemas de Informação	Portuguese	FCT / Universidade Nova de Lisboa	2010
32	Jorge Manuel da Silva Carneiro Praça Freitas	Metamodelação de Processos e Serviços	Portuguese	FCT / Universidade Nova de Lisboa	2010
33	José Américo Alves Sustelo Rio	Modelo Automático de Qualidade para Sítios Web	Portuguese	FCT / Universidade Nova de Lisboa	2010
34	João Carlos Palmela Pinheiro Caldeira	Information Technology Service Management: An Experimental Approach Towards IT Service Prediction	English	FCT / Universidade Nova de Lisboa	2009
35	Fernando Sérgio Bryton Dias Marques	Modularity Improvements with Aspect-Oriented Programming	English	FCT / Universidade Nova de Lisboa	2008
36	Luís Alexandre Ferreira da Silva	Assessment of IT Infrastructures: A Model Driven Approach	English	FCT / Universidade Nova de Lisboa	2008
37	Filipa Pires Duarte da Silva	Recuperação Automática da Modelação Comportamental com Aplicações ao Ensaio Baseado em Modelos	Portuguese	FCT / Universidade Nova de Lisboa	2008

38	Victor Emanuel Gomes Gouveia	Cenários Visuais: Rastreamento de Requisitos, Documentação e Animação para Sistemas Legados	Portuguese	FCT / Universidade Nova de Lisboa	2008
39	Aline Lúcia Baroni	Formal Definition of Object Oriented Design Metrics	English	Vrije Universiteit Brussel (VUB)	2002

• M.Sc. Final Projects

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Elton Santos Vianna	Contribuição da Gestão Ágil para Projectos de Software: Um estudo empírico em portais de notícias do Brasil	Portuguese	Iscte	2013

Total Citations

Web of Science®	645
Scopus	852

Publications

• Scientific Journals

- Scientific journal paper

1	Rio, A., Brito e Abreu, F. & Mendes, D. (2024). Causal inference of server- and client-side code smells in web apps evolution. Empirical Software Engineering. 29 (5) - Times Cited Web of Science®: 2 - Times Cited Scopus: 2 - Times Cited Google Scholar: 3
2	Sampaio de Almeida, D., Brito e Abreu, F. & Boavida-Portugal, I. (2024). Agent-based simulation of non-urgent egress from mass events in open public spaces. Simulation Modelling Practice and Theory. 136 - Times Cited Web of Science®: 3 - Times Cited Scopus: 2 - Times Cited Google Scholar: 5
3	Rio, A. & Brito e Abreu, F. (2023). PHP code smells in web apps: Evolution, survival and anomalies. Journal of Systems and Software. 200 - Times Cited Web of Science®: 8 - Times Cited Scopus: 9 - Times Cited Google Scholar: 23

4	<p>Caldeira, J., Brito e Abreu, F., Cardoso, J. & Reis, J. (2022). Unveiling process insights from refactoring practices. <i>Computer Standards and Interfaces</i>. 81</p> <p>- Times Cited Web of Science®: 6</p> <p>- Times Cited Scopus: 7</p> <p>- Times Cited Google Scholar: 14</p>
5	<p>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)</p> <p>- Times Cited Web of Science®: 14</p> <p>- Times Cited Scopus: 16</p> <p>- Times Cited Google Scholar: 21</p>
6	<p>Vianna, E., Silveira, G. & Brito e Abreu, F. (2014). Avaliação empírica do sucesso da utilização da gestão ágil de projetos no desenvolvimento de software em portais de notícias do Brasil. <i>Revista de Sistemas e Computação</i>. 4 (1), 59-75</p>
7	<p>Calero, C., Ruiz, F., Baroni, A., Brito e Abreu, F. & Piattini, M. (2006). An ontological approach to describe the SQL:2003 object-relational features. <i>Computer Standards and Interfaces</i>. 28 (6), 695-713</p> <p>- Times Cited Web of Science®: 9</p> <p>- Times Cited Scopus: 19</p> <p>- Times Cited Google Scholar: 53</p>
8	<p>Goulão, M. & Brito e Abreu, F. (2005). Validação cruzada de métricas para componentes de software. <i>IEEE Latin America Transactions</i>. 3 (1), 127-136</p> <p>- Times Cited Scopus: 4</p> <p>- Times Cited Google Scholar: 4</p>
9	<p>Sousa, P., Pedro-de-Jesus, L., Pereira, G. & Brito e Abreu, F. (2002). Clustering relations into abstract ER schemas for database reverse engineering. <i>Science of Computer Programming</i>. 45 (2-3), 137-153</p> <p>- Times Cited Web of Science®: 1</p> <p>- Times Cited Scopus: 6</p> <p>- Times Cited Google Scholar: 22</p>
10	<p>Brito e Abreu, F. & Goulão, M. (2001). A merit factor driven approach to the modularization of object-oriented systems. <i>L'Objet</i>. 7 (4), 455-476</p> <p>- Times Cited Google Scholar: 10</p>
11	<p>Brito e Abreu, F. (1999). Qualidade do produto e do processo em engenharia de software. <i>Qualirama</i>. 53</p>
12	<p>Brito e Abreu, F. (1998). Normalização de Métricas de Software: uma Introdução. <i>Interface</i>. Julho 1998 (9), 1-9</p>
13	<p>Goulão, M., Monteiro, A. S., Brito e Abreu, F. & de Almeida, A. B. (1998). Controlo da evolução de sistemas legados. <i>Revista da Associação Portuguesa de Sistemas de Informação</i>. 9, 7-18</p>
14	<p>Brito e Abreu, F. (1998). Do Ada COCOMO ao COCOMO 2. <i>Interface</i>. Maio 1998 (7), 1-9</p>
15	<p>Ribeiro, N. P., de Almeida, A. B., Brito e Abreu, F. & Sousa, P. (1998). Levantamento de modelos de dados em sistemas legados. <i>Revista da Associação Portuguesa de Sistemas de Informação</i>. 9, 19-28</p>
16	<p>Brito e Abreu, F. (1998). Métricas que fizeram história: Complexidade Estrutural. <i>Interface</i>. Janeiro 1998 (3), 1-7</p>
17	<p>Brito e Abreu, F. (1998). Pontos de Função: uma história de sucesso?. <i>Interface</i>. Fevereiro 1998 (4), 1-8</p>
18	<p>Brito e Abreu, F. (1998). Pontos de Função: pistas e variantes. <i>Interface</i>. Março 1998 (5), 1-8</p>

19	Brito e Abreu, F. (1998). Modelo COCOMO: das origens à actualidade. Interface. Abril 1998 (6), 1-10
20	Brito e Abreu, F. (1998). Normalização de Métricas de Software: a norma ISO9126 - Características e Métricas de Qualidade do Software. Interface. Outubro 1998 (11), 1-11
21	Brito e Abreu, F. (1997). Pedagogical Patterns: Picking Up the Design Patterns Approach. Object Expert. 2 (3), 37-41 - Times Cited Google Scholar: 9
22	Brito e Abreu, F. (1997). Métricas que fizeram história: Dimensão e Complexidade Textual. Interface. Dezembro 1997 (2), 1-6
23	Brito e Abreu, F. (1997). Métricas de Software: as Bodas de Prata. Interface. Novembro 1997 (1), 1-7
24	Brito e Abreu, F. (1995). Métodos quantitativos na gestão de projectos que usam o paradigma da orientação a objectos . Revista da Associação Portuguesa de Sistemas de Informação. 3 , 47-62
25	Brito e Abreu, F. & Carapuça, R. (1994). Candidate metrics for object-oriented software within a taxonomy framework. Journal of Systems and Software. 26 (1), 87-96 - Times Cited Web of Science®: 88 - Times Cited Google Scholar: 298

- Editorial

1	Shepperd, Martin, Brito e Abreu, F. & Pérez-Castillo, Ricardo (2022). Special issue on information systems quality management in practice. Software Quality Journal. N/A - Times Cited Web of Science®: 1 - Times Cited Scopus: 3 - Times Cited Google Scholar: 3
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- 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. Archives of Computational Methods in Engineering. 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. Archives of Computational Methods in Engineering. 29, 47-94 - Times Cited Web of Science®: 43 - Times Cited Scopus: 44 - Times Cited Google Scholar: 102
3	da Silva, A. C. B. G., Carneiro, G. F., Brito e Abreu, F. & Monteiro, M. P. (2017). Frequent releases in open source software: a systematic review. Information. 8 (3) - Times Cited Scopus: 5 - Times Cited Google Scholar: 10

• Books and Book Chapters

- Book author

1	Brito e Abreu, F., Mario Piattini, Geert Poels & Houari A. Sahraoui (2004). Quantitative approaches in object-oriented software engineering. Heidelberg, Germany. Springer. Frank Buschmann; Alejandro P. Buchmann; Mariano Cilia (Ed.). - Times Cited Google Scholar: 44
2	Brito e Abreu, F., Geert Poels, Houari A. Sahraoui & Horst Zuse (2001). L'Objet.

- Book chapter

1	Cosme, D., Galvão, A. & Brito e Abreu, F. (2026). A Systematic Literature Review on LLM-Based Content Classification. In Jorge Bernardino · Ana Fred · Antonella Poggi · Le Gruenwald · Frans Coenen · Elio Masciari · David Aveiro (Ed.), Knowledge Discovery, Knowledge Engineering and Knowledge Management. (pp. 121-149). Cham: Springer.
2	Galvão, A., Brito e Abreu, F. & Melo, J. J. (2025). Toward a consensual definition for smart tourism and smart tourism tools. In Elena Kornysheva, Rébecca Deneckère, Sjaak Brinkkemper (Ed.), Smart life and smart life engineering: Current state and future vision. (pp. 153-183). Cham, Switzerland: Springer Nature. - Times Cited Scopus: 2 - Times Cited Google Scholar: 10
3	Santos, T., Marinheiro, R. N. & Brito e Abreu, F. (2025). Wireless crowd detection for smart overtourism mitigation. In Elena Kornysheva, Rébecca Deneckère, Sjaak Brinkkemper (Ed.), Smart life and smart life engineering: Current state and future vision. (pp. 237-258). Cham, Switzerland: Springer Nature. - Times Cited Scopus: 5 - Times Cited Google Scholar: 13
4	Portugal, C., Vaz, D., Dias, M. S., Trocado, P., Prata, A. & Brito e Abreu, F. (2025). Enhancing the visitor experience with immersive technologies and gaming: The Monserrate use case. In Elena Kornysheva, Rébecca Deneckère, Sjaak Brinkkemper (Ed.), Smart life and smart life engineering: Current state and future vision. (pp. 273-291). Cham, Switzerland: Springer. - Times Cited Scopus: 1 - Times Cited Google Scholar: 3
5	O'Neill, H., Langaro, D., Brito e Abreu, F., Almeida, F., Farinha, J., Domingues, L....Basto-Fernandes, V. (2023). COURSERA@Iscte 2021/22: Uma experiência de utilização de cursos online na formação presencial. In Joana Alexandre, Alexandra Almeida, Ana Espírito-Santo, Ana Lúcia Martins, Cecília Aguiar, Nádía Simões (Ed.), Exemplos de práticas pedagógicas e estratégias de inovação pedagógica no Iscte. (pp. 64-92). Lisboa: Iscte - Instituto Universitário de Lisboa.
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28	João Caldeira & Brito e Abreu, F. (2016). Software Development Process Mining: Discovery, Conformance Checking and Enhancement. 10th International Conference on the Quality of Information and Communications Technology (QUATIC'2016). 1, 254-259
29	Ivan de M. Lessa, Carneiro, G., P. Monteiro, Miguel & Brito e Abreu, F. (2015). On the Use of a Multiple View Interactive Environment for MATLAB and Octave Program Comprehension. 15th International Conference on Computational Science and Its Applications (ICCSA 2015).
30	Brito e Abreu, F. (2015). Computational analysis of the commonality among trajectories. Seminário de encerramento do Projeto Gesto.
31	Ivan de M. Lessa, Carneiro, G., P. Monteiro, Miguel & Brito e Abreu, F. (2015). A Concern Visualization Approach for Improving MATLAB and Octave Program Comprehension. 29th Brazilian Symposium on Software Engineering (SBES). - Times Cited Web of Science®: 2
32	Pedro Janeiro Coimbra & Brito e Abreu, F. (2014). The Eclipse Java Metamodel: Scaffolding Software Engineering Research on Java Projects with MDE Techniques. 2nd International Conference on Model-Driven Engineering and Software Development (MODELSWARD'2014). 1, 392-399
33	Luís Pires da Silva & Brito e Abreu, F. (2014). Model-Driven GUI Generation and Navigation for Android BIS Apps. 2nd International Conference on Model-Driven Engineering and Software Development (MODELSWARD'2014). 1, 400-407
34	Brito e Abreu, F. (2014). The Future of Software Engineering: a critical review. 2nd SUWMIAC - Summer Workshop Microsoft-ISCTE IUL on Applied Computing.
35	Luís Pires da Silva & Brito e Abreu, F. (2014). A MDE Generative Approach for Mobile Business Apps. 9th International Conference on the Quality of Information and Communications Technology (QUATIC'2014). 1, 312-317
36	Carlos Fábio Ramos Conceição, Carneiro, G. & Brito e Abreu, F. (2014). Streamlining Code Smells: Using Collective Intelligence and Visualization. 9th International Conference on the Quality of Information and Communications Technology (QUATIC'2014). - Times Cited Web of Science®: 4
37	Brito e Abreu, F. (2013). Metamodel-driven computing: how it works and what it delivers. 1st SUWMIAC (Summer Workshop Microsoft-ISCTE IUL on Applied Computing).
38	Brito e Abreu, F. & Pedro Janeiro Coimbra (2013). Integrating Metamodel Driven Measurement in the Eclipse IDE. Missão ao Departamento de Sistemas Informáticos y Computación, Universitat Politècnica de València.

39	Brito e Abreu, F. (2013). Observatório da Qualidade das TICs: Algumas Reflexões. 6º Kick-Off da Comissão Sectorial para a Qualidade nas TICs (CS/03).
40	Brito e Abreu, F. (2013). Empirical Software Engineering: a short course. Programa Doutoral em Engenharia Informática (PRODEI).
41	Brito e Abreu, F. (2013). Make the software process visible: Lessons learnt while preparing a future MOOC. III Conferência CMMI Portugal 2013.
42	Elton Vianna, Gutenberg Silveira & Brito e Abreu, F. (2013). Agile software development practices in brazilian news portals: results of an empirical study. Agile & Scrum Portugal 2013.
43	Brito e Abreu, F. (2013). Horizon 2020 Program Preview: a quick content analysis. 1st SUWMIAC (Summer Workshop Microsoft-ISCTE IUL on Applied Computing).
44	Brito e Abreu, F. (2013). ITSM research at ISCTE-IUL. COBIT Sessions # 3.
45	Brito e Abreu, F. (2012). Software as a Service (SaaS). Encontros Ciência, Tecnologia e Arte (Comemorações dos 40 anos do ISCTE-IUL).
46	Brito e Abreu, F. (2012). Experimental Software Engineering: a Brief Introduction. Programa Doutoral em Engenharia Informática.
47	Correia, Anacleto & Brito e Abreu, F. (2012). Adding preciseness to BPMN Models. 4th Conference on ENTERprise Information Systems (CENTERIS'2012). 1, 407-417
48	Brito e Abreu, F., Ferreira da Silva, Luís & Moreira, Victor (2012). A UML Profile for Modeling IT infrastructures. INFORUM'2012 (sessão de Ciência e Engenharia de Software). 1, 91-93
49	Brito e Abreu, F. (2011). The Cloud Paradigm: Are You Tuned for the Lyrics?. WAMPS'2011 - VI Workshop Anual do MPS.BR. 1, 20-25
50	Brito e Abreu, F. (2011). Assessing the Complexity of Business Process Models. Seminário convidado no Programa de Engenharia de Sistemas e Computação (PESC), COPPE, UFRJ.
51	Brito e Abreu, F. (2011). Cloud Engineering: A Software Engineering Perspective. Seminário convidado no Programa de Engenharia de Sistemas e Computação (PESC), COPPE, UFRJ.
52	Correia, Anacleto, Brito e Abreu, F. & Amaral, Vasco (2011). SLAME: A Service Level Agreements Method Elicitation. Actas da 11ª Conferência da Associação Portuguesa de Sistemas de Informação (CAPSI'2011). - Times Cited Google Scholar: 3
53	Ferreira da Silva, Luís & Brito e Abreu, F. (2010). An IT Infrastructure Patterns Approach to Improve IT Service Management Quality. 7th International Conference on the Quality of Information and Communications Technology (QUATIC'2010). 1, 171-176
54	Rio, Américo & Brito e Abreu, F. (2010). Websites Quality: Does it Depend on the Application Domain?. 7th International Conference on the Quality of Information and Communications Technology (QUATIC'2010).
55	Brito e Abreu, F. & Sérgio Bryton (2010). An Empirical Study on Refactoring Objects to Aspects. 13th Workshop on Quantitative Approaches in Object Oriented Software Engineering (QAOOSE'2010). 1, 1-12

56	Ferreira da Silva, Luís & Brito e Abreu, F. (2010). Software Distribution to Remote Locations. 15th European Conference on Pattern Languages of Programs (EuroPLoP'2010). 1, 20:1-20:4
57	Correia, Anacleto Cortez e & Brito e Abreu, Fernando (2010). Model-Driven Service Level Management. Mechanisms for Autonomous Infrastructure, Management and Security. 6155, 85-88
58	Brito e Abreu, F., Raquel Porciúncula, Jorge Freitas & José Carlos Costa (2010). Definition and Validation of Complexity Metrics for ITSM Process Models. 7th International Conference on the Quality of Information and Communications Technology (QUATIC'2010). 1, 79-88
59	Sérgio Bryton & Brito e Abreu, F. (2010). Reducing subjectivity in code smells detection: Experimenting with the Long Method. 7th International Conference on the Quality of Information and Communications Technology (QUATIC'2010). 1, 337-342
60	Correia, Anacleto & Brito e Abreu, F. (2010). Defining and Observing the Compliance of Service Level Agreements: A Model Driven Approach. 7th International Conference on the Quality of Information and Communications Technology (QUATIC'2010). 1, 165-170
61	Ferreira da Silva, Luís & Brito e Abreu, F. (2010). Reengineering IT infrastructures: A method for topology discovery. 7th International Conference on the Quality of Information and Communications Technology (QUATIC'2010). 1, 331-336
62	Ferreira da Silva, Luís & Brito e Abreu, F. (2009). Exploring and Overcoming Major Challenges in IT Infrastructures Faced by IT Executives. Fourth International Conference on Software Engineering Advances (ICSEA 2009). 576-581
63	João Caldeira & Brito e Abreu, Fernando (2008). Influential Factors on Incident Management: Lessons Learned from a Large Sample of Products in Operation. Product Focused Software Process Improvement. 5089, 330-344
64	Bryton, Sérgio & Brito e Abreu, F. (2007). Towards Paradigm-Independent Software Assessment. 6th International Conference on the Quality of Information and Communications Technology (QUATIC'2007). 1, 40-54 - Times Cited Scopus: 5
65	Goulão, Miguel & Brito e Abreu, F. (2007). Modeling the Experimental Software Engineering Process. 6th International Conference on the Quality of Information and Communications Technology (QUATIC'2007). 1, 77-90 - Times Cited Scopus: 7
66	Aline Baroni, Coral Calero, Brito e Abreu, F. & Mario Piattini (2006). Object-Relational Database Metrics Formalization. Sixth International Conference on Quality Software (QSIC'2006). 1, 30-37
67	Goulão, Miguel & Brito e Abreu, F. (2006). On the Influence of Practitioners' Expertise in Component-Based Software Reviews. 10th ECOOP Workshop on Quantitative Approaches in Object-Oriented Software Engineering (QAOOSE'2006). 1-10
68	Aline Baroni, Coral Calero, Mario Piattini & Brito e Abreu, F. (2005). A Formal Definition for Object-Relational Database Metrics. 7th International Conference on Enterprise Information Systems (ICEIS'2005). 1, 334-339
69	Goulão, Miguel & Brito e Abreu, F. (2005). Composition Assessment Metrics for CBSE. 31st Euromicro Conference on Software Engineering and Advanced Applications (SEAA'2005). 96-103

70	Goulão, Miguel & Brito e Abreu, F. (2002). The Quest for Software Components Quality. 26th International Computer Software and Applications Conference (COMPSAC'2002). 313-318
71	Goulão, Miguel & Brito e Abreu, F. (2002). From Objects to Components - A Quantitative Experiment. International Workshop on Quantitative Approaches in Object-Oriented Software Engineering (QAOOSE'2002). 1-12
72	Brito e Abreu, F. & Goulão, Miguel (2001). Coupling and Cohesion as Modularization Drivers: Are we being over-persuaded?. 5th European Conference on Software Maintenance and Reengineering (CSMR'2001). 47-57 - Times Cited Web of Science®: 32 - Times Cited Google Scholar: 5
73	António Silva Monteiro, Goulão, Miguel, Brito e Abreu, F., Alberto Bigotte de Almeida & Pedro Sousa (1999). Software Defect Report and Tracking System in the Internet: Controlling the Evolution of Legacy Systems. 6th European Conference on Software Quality. 1-11
74	Brito e Abreu, F., Luis Ochoa & Goulão, Miguel (1999). The GOODLY Design Language for MOOD2 Metrics Collection. International Workshop on Quantitative Approaches in Object-Oriented Software Engineering (QAOOSE'99). 1-17
75	Brito e Abreu, F. & Goulão, Miguel (1999). Designing and Coding Object-Oriented Systems: An Introductory Course Experience Report. Workshop on Introducing OO Design and Programming with Special Emphasis on Concrete Examples. 1-15
76	Brito e Abreu, F. (1997). Quantitative Methods in Object-Oriented Software Engineering. ICSE'97 Doctoral Symposium. 1-6
77	Brito e Abreu, F. (1995). Design Metrics for Object-Oriented Software Systems. 7th ERCIM Database Research Group Workshop on Object Oriented Databases. 95/W001, 1-5 - Times Cited Google Scholar: 11
78	Brito e Abreu, F. & Rogério Carapuça (1994). Object-Oriented Software Engineering: Measuring and Controlling the Development Process. 4th International Conference on Software Quality. 1-8
79	Brito e Abreu, F. & António Pina (1994). Organizações e Iniciativas Nacionais e Internacionais em Pro da Qualidade no Software. 1st International Conference on the Quality of Information and Communications Technology (QUATIC'94). 3-20

• Other Publications

- Entries/Forewords/Afterwords

1	Sheila S. Reinehr & Brito e Abreu, F. (2016). Foreword of the Thematic Track on Quality Aspects in Software Engineering using Evidence-Based Approaches. Proceedings of the 10th International Conference on the Quality of Information and Communications Technology (QUATIC'2016). 1, 164-165
2	Guilherme Travassos & Brito e Abreu, F. (2014). Foreword of the Thematic Track: Evidence-Based Software Quality Engineering. Proceedings of the 9th International Conference on the Quality of Information and Communications Technology (QUATIC'2014). 1, 234-235

3	Ricardo Jorge Machado, Goulão, Miguel, Brito e Abreu, F. & João Pascoal Faria (2014). Introduction to Special Issue: Quality in Information and Communications Technology. <i>Innovations in Systems and Software Engineering</i> . 10, 1-2 - Times Cited Scopus: 4 - Times Cited Google Scholar: 2
4	Brito e Abreu, F. & Goulão, Miguel (2010). QUATIC'2010: Message from the Program Chairs. <i>Proceedings of the 7th International Conference on the Quality of Information and Communications Technology (QUATIC'2010)</i> . xii-xiii
5	Ricardo J. Machado & Brito e Abreu, F. (2007). QUATIC 2007: Message from the Conference Chairs. <i>Proceedings of the 6th International Conference on the Quality of Information and Communications Technology (QUATIC'2007)</i> . viii-ix
6	Brito e Abreu, F., Geert Poels, Houari A. Sahraoui & Horst Zuse (2001). Editorial of Issue 4/2001: Quantitative Approaches in Object-Oriented Software Engineering. <i>L'Objet</i> . 7, 425-427
7	Brito e Abreu, F. (1995). Software Quality: The Tip and the Iceberg (editorial). <i>ERCIM News</i> . 23, 1-2

- Working Papers

1	Rio, J., Brito e Abreu, F. & Mendes, D. A. (2023). Causal inference of server- and client-side code smells in web apps evolution. <i>Causal inference of server- and client-side code smells in web apps evolution</i> .
2	Brito e Abreu, F. (2001). Using OCL to formalize object oriented metrics definitions. <i>Using OCL to formalize object oriented metrics definitions</i> . 1-39 - Times Cited Google Scholar: 64

- Non-peer-reviewed papers

1	Amaral, Vasco & Brito e Abreu, F. (2023). CS/03: 30 anos ao serviço das Tecnologias da Informação e Comunicações. <i>EspaçoQ</i> . 193, 7-11
2	Brito e Abreu, F. & Sampaio de Almeida, D. (2021). Capacidade de Carga e Tempo de Evacuação para Eventos nos Espaços Públicos das Cidades. <i>IntelCities</i> . 2021 (Abril), 1-4 - Times Cited Google Scholar: 4

- Other publications

1	Vianna, E., Gutenberg Silveira & Brito e Abreu, F. (2014). Avaliação empírica do sucesso da utilização da gestão ágil de projetos no desenvolvimento de software em portais de notícias do Brasil. As abordagens ágeis vêm conquistando cada vez mais praticantes, mas as evidências sobre a real contribuição dessas abordagens para o sucesso dos projetos ainda são escassas. Este artigo corrobora a existência de fatores ágeis contribuintes para o sucesso de projetos de software, por meio de uma pesquisa de campo, de natureza descritiva e quantitativa, com teste de hipóteses. Foi aplicado um questi.
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2	<p>Brito e Abreu, F., Raquel Porciúncula, José Carlos Costa & Jorge Freitas (2010). Definition and Validation of Complexity Metrics for ITSM Process Models. 7th International Conference on the Quality of Information and Communications Technology (QUATIC'2010). 1, 79-88</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 5 - Times Cited Scopus: 5 - Times Cited Google Scholar: 14
3	<p>Sérgio Bryton & Brito e Abreu, F. (2007). Towards paradigm-independent software assessment.</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 2 - Times Cited Google Scholar: 12
4	<p>Brito e Abreu, F. (2007). Proceedings of QUATIC'2007. 6th International Conference on the Quality of Information and Communications Technology (QUATIC'2007). 1</p>
5	<p>Sérgio Bryton & Brito e Abreu, F. (2007). Towards Paradigm-Independent Software Assessment. 6th International Conference on the Quality of Information and Communications Technology (QUATIC'2007). 1, 40-54</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 3 - Times Cited Scopus: 3 - Times Cited Google Scholar: 12
6	<p>Pedro Sousa, Lurdes Pedro-de-Jesus, Gonçalo Pereira & Brito e Abreu, F. (1999). Clustering Relations into Abstract ER Schemas for Database Reverse Engineering. 3rd European Conference on Software Maintenance and Reengineering (CSMR'99).</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 3 - Times Cited Scopus: 9
7	<p>António Silva Monteiro, Goulão, Miguel, Brito e Abreu, F., Alberto Bigotte de Almeida & Pedro Sousa (1999). A Software Defect Report and Tracking System in an Intranet. Third European Conference on Software Maintenance and Reengineering (CSMR'99). 198-201</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 4 - Times Cited Google Scholar: 5

- Paper in press

1	<p>Caldeira, J., Brito e Abreu, F., Cardoso, J., Ribeiro, R. & Werner, C. (2021). Profiling software developers with process mining and N-Gram language models. Computing Research Repository (CoRR). 1-41</p> <ul style="list-style-type: none"> - Times Cited Google Scholar: 3
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- Report

1	<p>Mestre Santos, T., Marinheiro, R. N. & Brito e Abreu, F. (2023). Toolkit for implementing tourism crowd detection solutions.</p>
2	<p>Galvão, A., Cosme, D. & Brito e Abreu, F. (2023). European Smart Tourism Tools Observatory.</p>
3	<p>Brito e Abreu, F., Luis Ochoa & Goulão, Miguel (1997). The GOODLY Design Language for MOOD2 Metrics Collection.</p>

Project Title	Role in Project	Partners	Period
European Observatory of Smart Initiatives and Tools for Tourism	Principal Researcher	ISTAR-Iscte - Leader, INESC-ID - (Portugal), NEST - Consultant (Portugal)	2025 - 2026
Adaptive system for crowding monitoring using user's devices fingerprinting	Researcher	IT-Iscte, ISTAR-Iscte (SSE), IT - Leader (Portugal)	2024 - 2026
Crossing the Atlantic for Scientific and Teaching-Learning Cooperation	Researcher	ISTAR-Iscte (DLS) - Leader, BSU - (United States of America)	2024 - 2025
Relaunching European smart and Sustainable Tourism models Through digitalization and INnovative technologies	Local Coordinator	ISTAR-Iscte, BRU-Iscte, IT-Iscte, EURECAT - Leader (Spain), TICSUD - (Spain), FEHT-Turism - (Spain), - - (Italy), ANHER - (Greece), Albanian Trip - (Albania), AUDAX - (Portugal)	2022 - 2024
Data Science for non-programmers	Local Coordinator	ISTAR-Iscte (SSE)	2019
Sustainability and authenticity in the tourism offer	Global Coordinator	ISTAR-Iscte (SSE), ESHTe - (Portugal), GEOTA - (Portugal), FFCT/FCT/UNL - (Portugal), ISPA - (Portugal), ICNF - (Portugal)	2017 - 2018

Academic Management Positions

Membro (Docente) (2019 - 2020)
Unit/Area: Plenário do Conselho Científico

Director (2018 - 2020)
Unit/Area: Master Degree in Computer Science and Business Management

Membro (Docente) (2017 - 2019)
Unit/Area: Plenário do Conselho Científico

Director (2016 - 2018)
Unit/Area: Master Degree in Computer Science and Business Management

Awards

Best demo: "Geo-temporal crowding visualization in Lisbon", International Posters and Demos Workshop on Smart Tourism, Lisbon (2023)

Best poster: "Building a European smart tourism tools observatory", International Posters and Demos Workshop on Smart Tourism, Lisbon (2023)

Best paper: "SLALOM: a Language for SLA Specification and Monitoring", INFORUM'2011 conference (Model Driven Engineering track), Porto (2011)

Best poster: "Strengthening Refactoring: Towards Software Evolution with Quantitative and Experimental Grounds", ICSEA'2009 Conference (SEDES'2009), Porto (2009)

Best paper on software metrics (János Szentés Award): "Software Defect Report and Tracking System in the Internet: Controlling the Evolution of Legacy Systems", 6th European Conference on Software Quality, Vienna, Austria (1999)

Professional Associations

Technical Committee 2 (TC2 - Software: Theory and Practice), International Federation for Information Processing (IFIP) (Since 2010)

Software Group, European Organization for Quality (EOQ) (1999 - 2008)

CT128 - Comissão Técnica de Engenharia de Software e Sistemas de Informação, Instituto de Informática, Ministério das Finanças (1999 - 2009)

Sub-Committee 7 (Software and System Engineering), JTC1 (Joint Technical Committee 1), WG6 (Evaluation and Metrics) e WG10 (Process Assessment), ISO (1996 - 1999)

CS/03 - Comissão Sectorial para a Qualidade nas Tecnologias de Informação e Comunicações, Instituto Português da Qualidade (IPQ) (Since 1995)

Organization/Coordination of Events

Type of Organization/Coordination	Event Title	Organizer	Year
Member of scientific event committee	20th International Conference on Software Technologies (ICSOFT 2025)	INSTICC	2025
Member of scientific event committee	22nd International Conference on Systems and Software Reuse (ICSR), co-hosted with ICSE'2025	IEEE & ACM SIGSOFT	2025
Member of scientific event committee	Large Language Models (LLMs) Applications Track @ 22nd International Conference on Information Technology: New Generations (ITNG 2025)	PHASE	2025
Member of scientific event committee	20th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE'2025)	INSTICC	2025
Coordination of scientific event (with scientific committee) at ISCTE-IUL	16th International Conference on ENTERprise Information Systems (CENTERIS'2024)	SCIKA	2024
Coordination of scientific event (with scientific committee) at ISCTE-IUL	19th International Conference on Software Technologies (ICSOFT 2024)	INSTICC	2024
Coordination of scientific event (with scientific committee) at ISCTE-IUL	Tenth International Conference on Advances and Trends in Software Engineering (SOFTENG 2024)	IARIA	2024
Member of scientific event committee	Information Systems Modelling Track @ International Conference on Information Systems Development (ISD2023)	AIS	2023
Member of scientific event committee	22ª Conferência da Associação Portuguesa de Sistemas de Informação (CAPSI'2022)	APSI	2022

Member of scientific event committee	13th International Conference on ENTERprise Information Systems (CENTERIS'2021)	SCIKA	2021
Member of scientific event committee	12th Brazilian Conference on Software: Theory and Practice (CBSOFT 2021)	SBC	2021
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	Evidence-Based Software Quality Engineering (EBSQE) @ QUATIC'2021	CS03 / Springer	2021
Member of scientific event committee	Experience reports & Industry Talks @ Joint 15th International Conference on Software and System Processes (ICSSP) and 16th ACM/IEEE International Conference on Global Software Engineering (ICGSE)	International Software and Systems Process Association (ISSPA)	2021
Member of scientific event committee	Software Engineering Track @ 18th International Conference on Information Technology: New Generations (ITNG 2021)	Premier Hall for Advancing Science and Engineering (PHASE)	2021
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	13th International Conference on the Quality of Information and Communications Technology (QUATIC'2020)	CS03 / Springer	2020
Member of scientific event committee	Software Engineering Track (SET) of the 23rd Iberoamerican Conference on Software Engineering (CIBSE 2020)	CAPES / CNPQ	2020
Member of scientific event committee	Software Engineering Track @ 17th International Conference on Information Technology: New Generations (ITNG 2020)	Premier Hall for Advancing Science and Engineering (PHASE)	2020
Member of scientific event committee	Software Engineering Track @ 17th International Conference on Information Technology: New Generations (ITNG 2020)	Premier Hall for Advancing Science and Engineering (PHASE)	2020
Member of scientific event committee	Fourteenth International Conference on Software Engineering Advances (ICSEA 2019)	IARIA	2019
Coordination of scientific event (with scientific committee) at ISCTE-IUL	ISTAR/COPPE Workshop on Software Engineering	ISTAR/COPPE	2019
Member of scientific event committee	Software Engineering Track (SET 2019) of the 22nd Iberoamerican Conference on Software Engineering (CIBSE 2019)	Universidad de Habana	2019
Member of scientific event committee	Software Engineering Track @ 16th International Conference on Information Technology: New Generations (ITNG 2019)	Premier Hall for Advancing Science and Engineering (PHASE)	2019
Member of scientific event committee	10th International Conference on ENTERprise Information Systems (CENTERIS'2018)	SCIKA	2018
Member of scientific event committee	Thirteenth International Conference on Software Engineering Advances (ICSEA 2018)	IARIA	2018
Member of scientific event committee	18ª Conferência da Associação Portuguesa de Sistemas de Informação (CAPSI'2018)	APSI	2018
Member of scientific event committee	Software Engineering Track (SET 2018) of the 21st Iberoamerican Conference on Software Engineering (CIBSE 2018)	UNIANDÉS	2018

Member of scientific event committee	Software Engineering Track @ 15th International Conference on Information Technology: New Generations (ITNG 2018)	Premier Hall for Advancing Science and Engineering (PHASE)	2018
Member of scientific event committee	Twelfth International Conference on Software Engineering Advances (ICSEA 2017)	IARIA	2017
Member of scientific event committee	12th Iberian Conference on Information Systems and Technologies (CISTI'2017)	AISTI	2017
Member of scientific event committee	Software Engineering Track (SET 2017) of the 20th Iberoamerican Conference on Software Engineering (CibSE 2017)	Universidad Nacional de La Matanza (UNLaM)	2017
Member of scientific event committee	Software Engineering Track @ 14th International Conference on Information Technology: New Generations (ITNG 2017)	Premier Hall for Advancing Science and Engineering (PHASE)	2017
Member of scientific event committee	5th International Conference on Model-Driven Engineering and Software Development (MODELSWARD'2017)	INSTICC	2017
Member of scientific event committee	Eleventh International Conference on Software Engineering Advances (ICSEA'2016)	IARIA	2016
Member of scientific event committee	Software Engineering Track @ 13th International Conference on Information Technology: New Generations (ITNG 2016)	Premier Hall for Advancing Science and Engineering (PHASE)	2016
Member of scientific event committee	Software Engineering Track (SET 2016) @ 19th Ibero American Conference on Software Engineering (CibSE 2016)	Sociedade Brasileira de Computação (SBC)	2016
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	MODELSWARD 2016 Doctoral Consortium	INSTICC	2016
Member of scientific event committee	3rd World Conference on Complex Systems (WCCS'15)	Moroccan Society of Complex Systems	2015
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	IC3K 2015 Doctoral Consortium	INSTICC	2015
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	MODELSWARD 2015 Doctoral Consortium	INSTICC	2015
Member of scientific event committee	Software Engineering Track @ 12th International Conference on Information Technology: New Generations (ITNG 2015)	Premier Hall for Advancing Science and Engineering (PHASE)	2015
Member of scientific event committee	WAMPS'2015 - XI Workshop Anual do MPS.BR	SOFTEX	2015
Member of scientific event committee	Software Engineering Track (SET'2015) @ XVIII Iberoamerican Conference on Software Engineering (CibSE'2015)	Sociedade Brasileira de Computação (SBC)	2015
Member of scientific event committee	1st International Workshop on Human Factors in Modeling (HuFaMo 2015) @MODELS'2015 Conference	ACM/IEEE	2015
Member of scientific event committee	18th IEEE International Conference on Computational Science and Engineering (CSE2015)	IEEE	2015

Member of scientific event committee	Tenth International Conference on Software Engineering Advances (ICSEA'2015)	IARIA	2015
Member of scientific event committee	15ª Conferência da Associação Portuguesa de Sistemas de Informação (CAPSI'2015)	APSI	2015
Member of scientific event committee	9th International Conference on the Quality of Information and Communications Technology (QUATIC'2014)	CS03 / IEEE Computer Society	2014
Member of scientific event committee	17th International Conference on Model Driven Engineering Languages and Systems (MODELS'2014)	ACM/IEEE	2014
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	11º Workshop Anual do QUASAR	QUASAR Research Group	2014
Member of scientific event committee	IV Conferência CMMI Portugal 2014	CMMI Portugal	2014
Member of scientific event committee	14ª Conferência da Associação Portuguesa de Sistemas de Informação (CAPSI'2014)	Associação Portuguesa de Sistemas de Informação	2014
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	Evidence-Based Software Quality Engineering @ QUATIC'2014	CS03 / IEEE Computer Society	2014
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	Doctoral Consortium @ 2nd International Conference on Model-Driven Engineering and Software Development (MODELSWARD'2014)	INSTICC	2014
Member of scientific event committee	WAMPS'2014 - X Workshop Anual do MPS.BR	SOFTEX	2014
Member of scientific event committee	2nd World Conference on Complex System (WCCS'14)	Moroccan Society of Complex Systems	2014
Member of scientific event committee	Ninth International Conference on Software Engineering Advances (ICSEA'2014)	IARIA	2014
Member of scientific event committee	Doctoral Workshop @ 25th IFIP International Conference on Testing Software and Systems (ICTSS'2013)	IFIP	2013
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	1st SUWMIAC - Summer Workshop Microsoft-ISCTE IUL on Applied Computing	ISTAR / Microsoft	2013
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	10º Workshop Anual do QUASAR	QUASAR Research Group	2013
Member of scientific event committee	16th International Conference on Model Driven Engineering Languages and Systems (MODELS'2013)	ACM/IEEE	2013
Member of scientific event committee	12nd Brazilian Symposium on Software Quality (SBQS'2013)	Sociedade Brasileira de Computação (SBC)	2013
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	III Conferência CMMI Portugal 2013	CMMI Portugal	2013

Member of scientific event committee	13ª Conferência da Associação Portuguesa de Sistemas de Informação (CAPSI'2013)	Associação Portuguesa de Sistemas de Informação	2013
Member of scientific event committee	WAMPS'2013 - IX Workshop Anual do MPS.BR	SOFTEX	2013
Member of scientific event committee	12ª Conferência da Associação Portuguesa de Sistemas de Informação (CAPSI'2012)	Associação Portuguesa de Sistemas de Informação	2012
Member of scientific event committee	WAMPS'2012 - VIII Workshop Anual do MPS.BR	SOFTEX	2012
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	SEDES'2012 (Simpósio de Estudantes de Doutoramento em Engenharia de Software)	Instituto Superior Técnico / UTL	2012
Member of scientific event committee	INForum 2012 - 4º Fórum Nacional na Área da Informática	FCT/UNL	2012
Member of scientific event committee	1st International IBM Cloud Academy Conference (ICA CON 2012)	IBM	2012
Member of scientific event committee	IX Experimental Software Engineering Latin American Workshop (ESELAW'2012), co-located with ClbSE'2012	Sociedade Brasileira de Computação (SBC)	2012
Member of scientific event committee	12th International PROFES (Product Focused Software Development and Process Improvement) conference	Springer	2011
Member of scientific event committee	10th Brazilian Symposium on Software Quality (SBQS 2011)	Sociedade Brasileira de Computação (SBC)	2011
Member of scientific event committee	14th International Symposium on Component Based Software Engineering (CBSE'2011)	ACM SIGSOFT	2011
Member of scientific event committee	VIII Experimental Software Engineering Latin American Workshop (ESELAW'2011)	Sociedade Brasileira de Computação (SBC)	2011
Member of scientific event committee	11ª Conferência da Associação Portuguesa de Sistemas de Informação (CAPSI'2011)	Associação Portuguesa de Sistemas de Informação	2011
Member of scientific event committee	3º Fórum Nacional na Área da Informática (INForum 2011)	Universidade de Coimbra	2011

Diffusion Activities

Activity Type	Event Title	Activity Description	Year
Coordination of knowledge diffusion event	Lafayette College delegation visits ISTAR	Coordinator of participatory action on 3D geo-temporal visualization in the city of Lisbon	2024

Coordination of knowledge diffusion event	2nd International Posters & Demos Workshop on Smart Tourism	Coordination of the 2nd International Posters & Demos Workshop on Smart Tourism in Reus and Tarragona, as part of the RESETTING project	2024
Talk/Conference in public diffusion event	RESETTING Hackathon	Keynote on Smart Tourism Tools	2024
Talk/Conference in public diffusion event	Portugal Smart Cities Summit 2024 (City Hub Stage)	Coauthor of the presentation about "Smart Tourism tools - Carrying Capacity Calculator"	2024
Talk/Conference in public diffusion event	Portugal Smart Cities Summit 2023 (City Hub Stage)	Presentation about the "European Observatory of Smart Tourism Tools"	2023
Coordination of knowledge diffusion event	FISTA'2020	Organizing and conducting the workshop "Introduction to business process modeling with BPMN"	2020
Coordination of knowledge diffusion event	PYTHACON	Pythacon (contraction of Python + Hackaton) is a pedagogical event organized at Iscte, within the scope of ISTA.	2020
Talk/Conference in public diffusion event	Steptalks 2019: Software Development & Information Security	Panel Coordinator: New challenges & assessments - Industry 4.0 and CMMI v2.0	2019
Talk/Conference in public diffusion event	FISTA'2019	Organizing and conducting the workshop "Introduction to business process modeling with BPMN"	2019
Member of organizing committee of knowledge diffusion event	ISTAR-IUL Winter School 2018	Winter School (see program at https://istarwinterschool18.wordpress.com/program/)	2018
Talk/Conference in public diffusion event	FISTA'2018	Organizing and conducting the workshop "Introduction to business process modeling with BPMN"	2018
Talk/Conference in public diffusion event	10th International Conference on the Quality of Information and Communications Technology (QUATIC'2016)	Panel Coordinator: "Software Product Quality vs Software Process Quality: Who is the Winner?"	2016

Scientific Editing/Reviewing Activities

Type of Activity	Journal Title	ISSN/Quartile	Period	Language
Scientific journal editor	Software Quality Journal	1573-1367 / Q1	Since 2023	English
Scientific journal editor	Software Quality Professional	1522-0540	2014 - 2020	English

Products

Product Type	Product Title	Detailed Description	Year
Software (Open Source)	Iscte's 50 Years Chronology Web App	Web app providing an illustrated chronology (with documents, photographs and videos) with the important events of Iscte's 50th anniversary, in parallel with national and international events.	2022
Software (Open Source)	"OCL Complexity" plugin	USE plugin to calculate the complexity of OCL expressions for the USE (UML Specification Environment) tool	2020
Software (Open Source)	"OCLhighlight" plugin for the USE (UML Specification Environment) tool	Plugin for graphical traceability of OCL expressions in the University of Bremen's UML Specification Environment (USE) tool	2019
Software (Open Source)	J-USE for Android	Model-driven Eclipse plugin for generating Android BIS apps	2013
Software (Open Source)	M2DM Tool for Java	Metamodel Driven Measurement (M2DM) Tool for Java	2012
Software (Open Source)	J-USE for Java	Java code and JUnit test cases generator, using a model-driven approach	2012