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Carlos J. Costa



Research Interests

Network Science Applied to Management

Data Science

Data Science and Management

Machine Learning for Finance

Blockchain applied to Management

Collaborative Systems

Gamification

Organizational Systems (ERP)

Free and Open Source Software

Learning programming

Information Systems Modeling

Academic Qualifications

University/Institution	Type	Degree	Period
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Universidade de Lisboa	Aggregation	Gestão	2023
ISCTE-IUL - Instituto Superior Ciências Trabalho e da Empresa	PhD	Ciências e Tecnologias da Informação	2002
ISCTE-IUL - Instituto Superior Ciências Trabalho e da Empresa	M.Sc.	Ciências Empresariais	1995
Universidade Católica Portuguesa	Licenciante	Administração e Gestão de Empresas	1990

External Professional Activities

Period	Employer	Country	Description
Since 2017	ISEG (Lisbon School of Economics and Management), Universidade de Lisboa	Portugal	

Supervisions

• Ph.D. Thesis

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Domingos Garcia da Silva	Adoption of Free and Open-Source Software from the Angolan Public Sector	English	Developing	ISCTE-IUL

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Fernando José da Fonseca Bento	Adoção e sucesso de sistemas de Informação integrados	Portuguese	ISCTE-IUL	2020
2	Martinha do Rosário Fonseca Piteira	Aprendizagem da Programação no Ensino Superior: a adoção de cursos online gamificados	--	ISCTE-IUL	2018
3	Paula Cristina Rodrigues Miranda	Framework para os fatores críticos de sucesso na adoção de sistemas de e-learning 3.0	--	ISCTE-IUL	2017
4	Luís Filipe da Silva Rodrigues	A adoção de aplicações informáticas com características de jogos online: uma perspetiva no setor do e-banking em Portugal	--	ISCTE-IUL	2016
5	Isabel Maria Mendes Pedrosa	Computer-assisted audit tools and techniques use: determinants for individual acceptance	--	ISCTE-IUL	2015

• M.Sc. Dissertations

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	João Pedro da Silva Rocha	Justice portal users success and use model	Portuguese	ISCTE-IUL	2019
2	Sérgio Alexandre Ferreira	Document and records Management using Free and Open Source Software	Portuguese	ISCTE-IUL	2019
3	Janaina de Oliveira Rodrigues	The Impact of Gamification in the Corporate Education in Brazilian Companies	Portuguese	ISCTE-IUL	2019
4	Rita de Orey Botelho Simões Roque de Pape	Citizen Engagement through City Apps ? Technology Adoption Approach	English	ISCTE-IUL	2019
5	Rafael dos Santos Moisés	Gamification in the e-commerce context - Analysis of the consumer purchase intention	Portuguese	ISCTE-IUL	2018
6	Marco António de Araújo e Abreu	Cloud ERP Adoption	Portuguese	ISCTE-IUL	2018
7	Hugo Miguel Costa Fornelos de Araújo	Modelo de Competitive Intelligence	Portuguese	ISCTE-IUL	2017
8	António Sérgio Gomes Pereira	A Robótica no Ensino e Aprendizagem de Programação	Portuguese	ISCTE-IUL	2017
9	Ricardo Manuel Silva Pereira	Gamificação como Solução para os Problemas de Aprendizagem da Programação	Portuguese	ISCTE-IUL	2017
10	Aissatu Zenani Lopes Silá	Towards a Conceptual Framework for Developing Embassy Portals	English	ISCTE-IUL	2017
11	Nuno Óscar Gomes Fernandes	A Study on the Prediction of Flight Delays of a Private Aviation Airline	English	ISCTE-IUL	2017
12	João Nuno Marques Raposo	Avaliação do Sucesso da Adoção de um ERP no Contexto de Educação da Gestão no Ensino Universitário	Portuguese	ISCTE-IUL	2017
13	Nuno Manuel Pereira de Carvalho Sousa	Modelo de Gestão do Conhecimento no Contexto de uma Organização da Área das Telecomunicações.	Portuguese	ISCTE-IUL	2017
14	Mirza Alibhai Jamal	Gamificação em Ferramentas de Produtividade Cloud	Portuguese	ISCTE-IUL	2016
15	Raul Ashokchandra Natu	Proposal for a Conceptual Model for SaaS ERP using an Open Source System	English	ISCTE-IUL	2016

16	Iago Roi Pérez Ares	Influência das novas tecnologias na gestão das finanças pessoais: desenho de um robot-advisor.	Portuguese	ISCTE-IUL	2016
17	Carlos Manuel Pereira Capela Bernardino	Modelo Conceitual para Proposta de um Portal de Ação Social Usando Tecnologias Open Source.	Portuguese	ISCTE-IUL	2016
18	Alexandra Raposo de Aguiar Monteiro	Impacto da mobilidade do ERP no ambiente empresarial.	Portuguese	ISCTE-IUL	2016
19	Eurico Edgar de Oliveira Delgado Ferreira	Enterprise Resource Planning Adoption and Satisfaction Determinants	English	ISCTE-IUL	2015
20	Cátia Margarida da Silva Costa	O Modelo de Adoção de Práticas de Green IT	Portuguese	ISCTE-IUL	2015
21	Fábio Miguel Matos Ferreira	Aprendizagem na Programação: um modelo de continuidade de aprendizagem de programação	Portuguese	ISCTE-IUL	2015
22	Jorge Miguel Freitas Varela	SMOC: sistema de e-learning em massa desenvolvido em open source	Portuguese	ISCTE-IUL	2015
23	Mário Rui Reis Baptista	Abordagem metodológica para auxiliar no processo de localização de um ERP Open Source	Portuguese	ISCTE-IUL	2014
24	Pedro Alexandre Fernandes Pinheiro	Adopção de sistemas Cloud Computing	Portuguese	ISCTE-IUL	2014
25	Luís Filipe Mendes Marques	Deduplicação segura em Ambientes Móveis	Portuguese	ISCTE-IUL	2013
26	Prieshecumar Shivaji Premegi	Motor de Jogo Multimédia em Open Source com Dilema do Prisioneiro	Portuguese	ISCTE-IUL	2012
27	Ricardo de Castro Salazar Branquinho	Análise dos factores de sucesso de um portal do empregado do sector bancário português	Portuguese	ISCTE-IUL	2012
28	André Lares da Costa Correia	A participação nas Comunidades como factor crítico de sucesso empresarial: software Open Source Portuguesas	Portuguese	ISCTE-IUL	2012
29	Tiago Manuel Simões Santos	Metaversia - A MOOC model for Higher Education	English	ISCTE-IUL	2012
30	Rui Pedro Gamito Figueiredo	Agregação da informação num portal de empreendedorismo	Portuguese	ISCTE-IUL	2012
31	Emanuel Ângelo da Silva de Jesus	Teaching computer programming using structured programming language and flowcharts	English	ISCTE-IUL	2012
32	Jorge Manuel Gaspar Pena	A collaborative framework for browser games development	English	ISCTE-IUL	2012

33	Rui Jorge Nunes Godinho	O Open Source Software na Administração Pública Central Portuguesa	Portuguese	ISCTE-IUL	2012
34	Manuel Francisco Videira Delgado	Combater o crime económico com armas digitais - O papel do Open-Source	Portuguese	ISCTE-IUL	2012
35	João Pedro Santos Silva	Community sharing platform for mobile devices	English	ISCTE-IUL	2012
36	Ana Isabel Mendes Duarte	Sistemas de Informação: Ciclo de Vida e Análise do seu Sucesso nas Organizações	Portuguese	ISCTE-IUL	2012
37	Carlos Alberto Monteiro Gameiro	Implementation of Business Intelligence tools using Open Source Approach	English	ISCTE-IUL	2012
38	Ana Filipa Rodrigues Sardinha		--	ISCTE-IUL	2011
39	Ricardo Filipe Antunes Lopes		--	ISCTE-IUL	2011
40	Fernando José da Fonseca Bento		--	ISCTE-IUL	2011

• M.Sc. Final Projects

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	André Filipe Costa Restolho	Criação de um Solução Conceptual que Permita uma Integração entre ERPs e Redes Sociais	Portuguese	ISCTE-IUL	2014
2	Gonçalo Gouveia de Nobre Madeira	Utilização da ERP num Problema de Planeamento da Produção	Portuguese	ISCTE-IUL	2013
3	Luís António Gomes Costa	Dashboard: Avaliação e Monitorização de Desempenho de Fornecedor no Abastecimento a uma Unidade de Produção. O caso CGI - Consultant to Government & Industry	Portuguese	ISCTE-IUL	2013
4	Rui Alexandre Dias Pimenta de Simões Pimentel	Utilização de ERP no Contexto de Planeamento e Programação de Produção	Portuguese	ISCTE-IUL	2012
5	Tatiana Raquel Gonçalves Fernandes	Análise de Processos - Estudo de Eficiência com Ênfase nas Emissões de Carbono	Portuguese	ISCTE-IUL	2012
6	Filipa Rodrigues Ferreira	Proposta de Portal Empresarial para Pequena Empresa Prestadora de Serviços de Contabilidade	Portuguese	ISCTE-IUL	2012

Total Citations

Web of Science®	753
Scopus	1258

Publications

• Scientific Journals

- Scientific journal paper

1	Griffiths, P., Costa, C. J. & Crespo, N. F. (2024). Behind the bubble: Exploring the motivations of NFT buyers. <i>Computers in Human Behavior</i> . 158 - Times Cited Google Scholar: 1
2	Silva, D., Coutinho, C. & Costa, C. (2023). Factors influencing free and open-source software adoption in developing countries—An empirical study. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> . 9 (1) - Times Cited Scopus: 5 - Times Cited Google Scholar: 10
3	Reihaneh Hajishirzi, Costa, C. & Aparicio, M. (2022). The Impact of Technology and Change Management on Value Proposition Innovation: An Iranian Study. <i>IEEE Transactions on Engineering Management</i> . 1-11 - Times Cited Web of Science®: 1 - Times Cited Scopus: 1 - Times Cited Google Scholar: 1
4	Reihaneh Hajishirzi, Costa, C. & Aparicio, M. (2022). Boosting Sustainability through Digital Transformation's Domains and Resilience. <i>Sustainability</i> . 14 (3), 1822 - Times Cited Web of Science®: 14 - Times Cited Scopus: 19 - Times Cited Google Scholar: 35
5	Aparicio, M., Costa, C. J. & Rafael Moises (2021). Gamification and reputation: key determinants of e-commerce usage and repurchase intention. <i>Heliyon</i> . 7 (3), e06383 - Times Cited Web of Science®: 40 - Times Cited Scopus: 50 - Times Cited Google Scholar: 133
6	Costa, C., Aparicio, M. & Joao Raposo (2020). Determinants of the management learning performance in ERP context. <i>Heliyon</i> . 6 (4), e03689 - Times Cited Web of Science®: 28 - Times Cited Scopus: 30 - Times Cited Google Scholar: 54
7	Fernandes, N., Moro, S., Costa, C. & Aparicio, M. (2020). Factors influencing charter flight departure delay. <i>Research in Transportation Business and Management</i> . 34 - Times Cited Web of Science®: 9 - Times Cited Scopus: 11 - Times Cited Google Scholar: 25

8	<p>Pedrosa, I., Costa, C. & Aparicio, M. (2020). Determinants adoption of computer assisted auditing tools (CAATs). <i>Cognition, Technology and Work</i>. 22 (3), 565-583</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 28 - Times Cited Scopus: 30 - Times Cited Google Scholar: 91
9	<p>Rodrigues, L. F., Oliveira, A., Rodrigues, H. & Costa, C. J. (2019). Assessing consumer literacy on financial complex products. <i>Journal of Behavioral and Experimental Finance</i>. 22, 93-104</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 27 - Times Cited Scopus: 25 - Times Cited Google Scholar: 55
10	<p>Costa, C. J. & Aparicio, M. (2018). Gamification: software usage ecology. <i>The Online Journal of Science and Technology</i>. 8 (1), 92-100</p> <ul style="list-style-type: none"> - Times Cited Google Scholar: 18
11	<p>Piteira, M. , Costa, C. & Aparicio, M. (2018). Computer programming learning: how to apply gamification on online courses?. <i>Journal of Information Systems Engineering and Management</i>. 3 (2)</p> <ul style="list-style-type: none"> - Times Cited Google Scholar: 76
12	<p>Miranda, P., Isaías, P., Costa, C. J. & Pífano, S. (2017). Validation of an e-learning 3.0 critical success factors framework: a qualitative research. <i>Journal of Information Technology Education: Research</i>. 16 (1), 339-363</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 16 - Times Cited Scopus: 14 - Times Cited Google Scholar: 31
13	<p>Piteira, M. , Costa, C. J. & Aparicio, M. (2017). CANOE e Fluxo: determinantes na adoção de curso de programação online gamificado. <i>RISTI - Revista Ibérica de Sistemas e Tecnologias de Informação/Iberian Journal of Information Systems and Technologies (RISTI)</i>. 0 (25), 34-52</p> <ul style="list-style-type: none"> - Times Cited Scopus: 8 - Times Cited Google Scholar: 14
14	<p>Sousa, N. M., Costa, C. J. & Aparicio, M. (2017). Ba: um fator determinante no uso de sistemas de gestão do conhecimento. <i>RISTI - Revista Ibérica de Sistemas e Tecnologias de Informação/Iberian Journal of Information Systems and Technologies (RISTI)</i>. 22</p> <ul style="list-style-type: none"> - Times Cited Scopus: 6 - Times Cited Google Scholar: 16
15	<p>Rodrigues, L. F., Costa, C. & Oliveira, A. (2017). How does the web game design influence the behavior of e-banking users?. <i>Computers in Human Behavior</i>. 74, 163-174</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 41 - Times Cited Scopus: 46 - Times Cited Google Scholar: 89
16	<p>Rodrigues, L. F., Oliveira, A. & Costa, C. J. (2016). Does ease-of-use contributes to the perception of enjoyment? A case of gamification in e-banking. <i>Computers in Human Behavior</i>. 61, 114-126</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 109 - Times Cited Scopus: 113 - Times Cited Google Scholar: 232
17	<p>Rodrigues, L. F., Oliveira, A. & Costa, C. J. (2016). Playing seriously: how gamification and social cues influence bank customers to use gamified e-business applications. <i>Computers in Human Behavior</i>. 63, 392-407</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 101 - Times Cited Scopus: 114 - Times Cited Google Scholar: 217

18	Rodrigues, L. F., Costa, C. J. & Oliveira, A. (2016). Gamification: a framework for designing software in e-banking. <i>Computers in Human Behavior</i> . 62, 620-634 - Times Cited Web of Science®: 42 - Times Cited Scopus: 51 - Times Cited Google Scholar: 117
19	Costa, C. J., Ferreira, E., Fernando Bento & Aparicio, M. (2016). Enterprise resource planning adoption and satisfaction determinants. <i>Computers in Human Behavior</i> . 63, 659 - 671 - Times Cited Web of Science®: 84 - Times Cited Scopus: 118 - Times Cited Google Scholar: 260
20	Lopes, I., Oliveira, A. & Costa, C. J. (2015). Tools for online collaboration: do they contribute to improve teamwork?. <i>Mediterranean Journal of Social Sciences</i> . 6 (6 (S4)), 511-518 - Times Cited Google Scholar: 27
21	Pedrosa, I., Laureano, R. M. S. & Costa, C. (2015). Motivações dos auditores para o uso das tecnologias de informação na sua profissão: aplicação aos revisores oficiais de contas. <i>RISTI - Revista Ibérica de Sistemas e Tecnologias de Informação/Iberian Journal of Information Systems and Technologies (RISTI)</i> . 15, 101-118 - Times Cited Scopus: 18 - Times Cited Google Scholar: 37
22	Aparicio, M. & Costa, C. (2014). Data visualization. <i>Communication Design Quarterly</i> . 3 (1), 7-11 - Times Cited Google Scholar: 134
23	Costa, C., Aparicio, M. & Figueiredo, J. P. (2012). Health portal: an alternative using open source technology. <i>International Journal of Web Portals</i> . 4 (4), 1-18 - Times Cited Scopus: 7 - Times Cited Google Scholar: 11
24	Costa, C. J., Aparicio, M. & Figueiredo, J. P. (2012). Patient Health Portal: user calendar perspective. <i>Procedia Technology</i> . 5, 849-858 - Times Cited Web of Science®: 2 - Times Cited Google Scholar: 7
25	Pedrosa, I. & Costa, C. J. (2012). Computer assisted audit tools and techniques in real world: CAATT's applications and approaches in context. <i>International Journal of Computer Information Systems and Industrial Management Applications</i> . 4, 161-168 - Times Cited Google Scholar: 65
26	Antunes, P., Costa, C. J. & Pino, J. A. (2006). The use of genre analysis in the design of electronic meeting systems. <i>Information Research</i> . 11 (3) - Times Cited Web of Science®: 11 - Times Cited Scopus: 12 - Times Cited Google Scholar: 25
27	Costa, C. J. & Aparicio, M. (2004). Developing small web based systems. <i>WSEAS Transactions on Computers</i> . 3 (3), 647-652 - Times Cited Google Scholar: 6
28	Aparicio, M. & Costa, C. J. (1999). Utilização do jogo de simulação de gestão SIM 7 como instrumento pedagógico: um estudo exploratório. <i>Revista Portuguesa de Marketing</i> . 2 (7), 75-85 - Times Cited Google Scholar: 3
29	Costa, C. (1996). Internet e Estratégia Empresarial. <i>Revista Portuguesa de Marketing</i> . 88-97 - Times Cited Google Scholar: 7

- Editorial

1	Costa, C. & Aparicio, M. (2023). Applications of Data Science and Artificial Intelligence. Applied Sciences. - Times Cited Web of Science®: 1 - Times Cited Scopus: 1 - Times Cited Google Scholar: 4
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• Books and Book Chapters

- Book chapter

1	Joao Tiago Aparicio, Thomas J. Tiam-Lee & Costa, C. (2024). Polarization and Similarity of News in Portugal and the Philippines. In Information Systems and Technologies.: Springer.
2	Joao Tiago Aparicio, Valentina Timenko & Costa, C. (2024). Explaining Wikipedia Page Similarity Using Network Science. In Information Systems and Technology.
3	Correira, T., Pedrosa, I. & Costa, C. (2021). Open Source Software in Financial Auditing. In Information Resources Management Association; (Ed.), Research Anthology on Usage and Development of Open Source Software. (pp. 504-518).: IGI Global. - Times Cited Scopus: 1 - Times Cited Google Scholar: 8
4	Miranda, P., Isaías, P., Costa, C. & Pifano, S. (2016). E-Learning 3.0 Framework Adoption: Experts' Views. In Lecture Notes in Computer Science. (pp. 356-367). - Times Cited Web of Science®: 2 - Times Cited Scopus: 4 - Times Cited Google Scholar: 7
5	Santos, Tiago, Costa, Carlos & Aparicio, M. (2015). Do we need a shared European MOOC platform. In Position papers for European cooperation on MOOCs. (pp. 99-112). - Times Cited Google Scholar: 6
6	LUIS FILIPE RODRIGUES, Costa, C., Oliveira, A. & Costa, C. (2015). The Introduction of Game Design in E-Banking: Thinking of Business while Playing in a Virtual Environment. In Sabine Baumann and Monica Flegel (Ed.), All the World's a Stage: Theorizing and Producing Blended Identities in a Cybercultural World. (pp. 87-100). Oxford, UK: BRILL.

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Aparicio, J. T., Romão, M. & Costa, C. J. (2022). Predicting bitcoin prices: The effect of interest rate, search on the internet, and energy prices. In Rocha, A., Bordel, B., Penalvo, F. G., and Gonçalves. R. (Ed.), 2022 17th Iberian Conference on Information Systems and Technologies (CISTI). Madrid: IEEE. - Times Cited Scopus: 2 - Times Cited Google Scholar: 9
2	Hajishirzi, R., Costa, C. J., Aparicio, M. & Romão, M. (2022). Digital transformation framework: A bibliometric approach. In Rocha, Á., Adeli, H., Dzemyda, G., and Moreira, F. (Ed.), Information Systems and Technologies. Lecture Notes in Networks and Systems. (pp. 427-437). Budva: Springer. - Times Cited Scopus: 6 - Times Cited Google Scholar: 8

3	<p>Vasco Capela Tavares, Joao d'Água, Guilherme Mendes, Eduardo Peso & Costa, C. (2022). Predicting the Portuguese GDP Using Three Different Computational Techniques. In Information Systems and Technologies. WorldCIST 2022. (pp. 513-523): Springer.</p> <p>- Times Cited Google Scholar: 1</p>
4	<p>Costa, C., Aparicio, M. & Joao Tiago Aparicio (2021). Sentiment Analysis of Portuguese Political Parties Communication. In The 39th ACM International Conference on Design of Communication. (pp. 63-69). Virtual Event USA: ACM.</p> <p>- Times Cited Scopus: 8</p> <p>- Times Cited Google Scholar: 13</p>
5	<p>Aparício, J. T., Sequeira, J. S. de. & Costa, C. J. (2021). Emotion analysis of Portuguese political parties communication over the Covid-19 pandemic. In Rocha, A., Goncalves, R., Penalvo, F. G., & Martins, J. (Ed.), 2021 16th Iberian Conference on Information Systems and Technologies (CISTI). Chaves: IEEE.</p> <p>- Times Cited Scopus: 8</p> <p>- Times Cited Google Scholar: 18</p>
6	<p>Reihaneh Hajishirzi & Costa, C. (2021). Artificial Intelligence as the core technology for the Digital Transformation process. In 2021 16th Iberian Conference on Information Systems and Technologies (CISTI). (pp. 1-6). Chaves, Portugal: IEEE.</p> <p>- Times Cited Web of Science®: 1</p> <p>- Times Cited Scopus: 6</p> <p>- Times Cited Google Scholar: 11</p>
7	<p>Sanam Samadani & Costa, C. (2021). Forecasting real estate prices in Portugal : A data science approach. In 2021 16th Iberian Conference on Information Systems and Technologies (CISTI). (pp. 1-6). Chaves, Portugal: IEEE.</p> <p>- Times Cited Web of Science®: 2</p> <p>- Times Cited Scopus: 4</p> <p>- Times Cited Google Scholar: 11</p>
8	<p>Costa, C. J. & Aparício, J. T. (2020). POST-DS: A methodology to boost data science. In Rocha, A., Perez, B. E., Penalvo, F. G., del Mar Miras, M., & Goncalves, R. (Ed.), 2020 15th Iberian Conference on Information Systems and Technologies (CISTI). Sevilla: IEEE.</p> <p>- Times Cited Web of Science®: 23</p> <p>- Times Cited Scopus: 22</p> <p>- Times Cited Google Scholar: 55</p>
9	<p>Bento, F. , Costa, C. J. & Aparicio, M. (2019). ERP conceptual ecology. In Á. Rocha et al. (Ed.), Advances in Intelligent Systems and Computing. (pp. 351-360): Springer.</p> <p>- Times Cited Scopus: 4</p> <p>- Times Cited Google Scholar: 7</p>
10	<p>Aparicio, S., Aparicio, J. T. & Costa, C. J. (2019). Data science and AI: Trends analysis. In Rocha, A., Pedrosa, I., Cota, M. P. and Goncalves, R. (Ed.), 2019 14th Iberian Conference on Information Systems and Technologies (CISTI). Coimbra: IEEE.</p> <p>- Times Cited Web of Science®: 12</p> <p>- Times Cited Scopus: 13</p> <p>- Times Cited Google Scholar: 28</p>
11	<p>Bento, F., Costa, C. J. & Aparicio, M. (2019). A formação e o apoio da gestão no sucesso dos ERP. In Rocha, A., Pedrosa, I., Cota, M. P. and Goncalves, R. (Ed.), 2019 14th Iberian Conference on Information Systems and Technologies (CISTI). Coimbra: IEEE.</p> <p>- Times Cited Google Scholar: 1</p>

12	<p>Mario Romao, Joao Costa & Costa, C. (2019). Robotic Process Automation: A Case Study in the Banking Industry. In 2019 14th Iberian Conference on Information Systems and Technologies (CISTI). (pp. 1-6). Coimbra, Portugal: IEEE.</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 33 - Times Cited Scopus: 54 - Times Cited Google Scholar: 158
13	<p>Piteira, M. , Aparicio, M. & Costa, C. J. (2019). A ética na inteligência artificial: Desafios. In Rocha, A., Pedrosa, I., Cota, M. P. and Goncalves, R. (Ed.), 2019 14th Iberian Conference on Information Systems and Technologies (CISTI). Coimbra: IEEE.</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 1 - Times Cited Scopus: 2 - Times Cited Google Scholar: 14
14	<p>Aparicio, J. T., Pereira, S., Aparicio, M. & Costa, C. J. (2019). Learning programming using educational robotics. In Rocha, A., Pedrosa, I., Cota, M. P. and Goncalves, R. (Ed.), 2019 14th Iberian Conference on Information Systems and Technologies (CISTI). Coimbra: IEEE.</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 4 - Times Cited Scopus: 9 - Times Cited Google Scholar: 16
15	<p>Costa, C. & Aparicio, M. (2019). Supporting the decision on dashboard design charts. In Proceedings of 254th The IIER International Conference. S. Petersburg</p> <ul style="list-style-type: none"> - Times Cited Google Scholar: 20
16	<p>Abreu, P. W., Aparicio, M. & Costa, C. J. (2018). Blockchain technology in the auditing environment. In 13th Iberian Conference on Information Systems and Technologies (CISTI). Cáceres: IEEE.</p> <ul style="list-style-type: none"> - Times Cited Scopus: 53 - Times Cited Google Scholar: 109
17	<p>Aparicio, M., Raposo, J. & Costa, C. J. (2018). A utilização de ERP em contexto de Ensino Superior. In 13th Iberian Conference on Information Systems and Technologies (CISTI). Cáceres: IEEE.</p> <ul style="list-style-type: none"> - Times Cited Scopus: 2 - Times Cited Google Scholar: 6
18	<p>LUIS FILIPE RODRIGUES, Oliveira, A., Costa, C. & Rodrigues, H. (2018). Games and business: human factors in gamified applications. In Tareq Ahrum (Ed.), Advances in Human Factors in Wearable Technologies and Game Design. AHFE 2018. Advances in Intelligent Systems and Computing. (pp. 318-324). Orlando: Springer International Publishing AG.</p> <ul style="list-style-type: none"> - Times Cited Scopus: 2 - Times Cited Google Scholar: 4
19	<p>Freitas, B., Costa, C. J., Aparicio, M. & Genin, S. (2018). A conceptual model for building design coordination using open source tools. In Sara Eloy, Manuel Alberto M. Ferreira, Maria João Oliveira (Ed.), ISTAR-IUL Winter School 2018 Applied Transdisciplinary Research. (pp. 20-21): Information Sciences, Technologies and Architecture Research Center (ISTAR-IUL).</p> <ul style="list-style-type: none"> - Times Cited Google Scholar: 1
20	<p>Rodrigues, L. F., Oliveira, A., Costa, C. J. & Rodrigues, H. (2018). Gamification to teach and assess financial education: a case study of self-directed bank investors. In Andrew Burge (Ed.), 17th Annual Hawaii International Conference on Education. (pp. 1851-1882). Honolulu</p> <ul style="list-style-type: none"> - Times Cited Google Scholar: 8

21	<p>Aparicio, J. T., Aparicio, M. & Costa, C. J. (2018). A virtual robot solution to support programming. In 50th International Symposium on Robotics, ISR 2018. (pp. 139-142). Munich: VDE.</p> <p>- Times Cited Scopus: 3 - Times Cited Google Scholar: 4</p>
22	<p>Bento, F., Costa, C. J. & Aparicio, M. (2017). Modelos de sucesso S.I., 25 anos de evolução. In 12th Iberian Conference on Information Systems and Technologies, CISTI 2017. Lisbon: IEEE.</p> <p>- Times Cited Scopus: 6 - Times Cited Google Scholar: 1</p>
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3	Costa, C. & Aparicio, M. (2014). ISDOC '14 Proceedings of the International Conference on Information Systems and Design of Communication .
4	Costa, C. (2013). ACM International Conference Proceeding Series.
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6	Protopsaltis, A., Spyrtatos, N., Costa, C. & Meghini, C. (2011). Proceedings of the 29th ACM international conference on Design of communication.

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- Talk

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2	LUIS FILIPE RODRIGUES, Oliveira, A., Costa, C. & Rodrigues, H. (2018). Human factors in gamified applications. Ciência 2018 - Encontro com a Ciência e Tecnologia em Portugal.
3	LUIS FILIPE RODRIGUES, Oliveira, A., Costa, C. & Rodrigues, H. (2018). Gamification to teach and assess financial education: A case study of self-directed bank investors. 17th Annual Hawaii International Conference on Education.
4	LUIS FILIPE RODRIGUES, Oliveira, A., Rodrigues, H. & Costa, C. (2018). Games and Business: Human Factors in Gamified Applications. 9th International Conference on Applied Human Factors and Ergonomics (AHFE 2018).
5	LUIS FILIPE RODRIGUES, Oliveira, A., Costa, C. & Rodrigues, H. (2018). Games & Business: Human factors in gamified applications. Ciência 2018 - Encontro com a Ciência e Tecnologia em Portugal.
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17	Pedrosa, I. & Costa, C. (2013). Teaching Computer Assisted Audit Tools and Techniques' Courses: lessons learned. Global Management Conference 2013.
18	Rodrigues, L.F., Costa, C. & Oliveira, A. (2013). How to develop financial applications with game features in e-banking?. International Conference on Information Systems and Design of Communication (ISDOC 2013). 124-134
19	Rodrigues, L.F., Costa, C. & Oliveira, A. (2013). The adoption of gamification in e-banking. International Conference on Information Systems and Design of Communication (ISDOC 2013) . 47-55
20	Costa, C. (2013). ACM International Conference Proceeding Series: Foreword. ACM International Conference Proceeding Series.
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27	Costa, C. & Costa, P. (2011). Conceptual model for web games with application in local promotion. SIGDOC 2011 - 29th ACM international conference on Design of communication País .
28	Costa, C. (2011). peace war game application. OSDOC '11 Proceedings of the 2011 Workshop on Open Source and Design of Communication.
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30	Sousa, C. & Costa, C. (2011). Market Game: simulation game for business classes. OSDOC 2011. - Times Cited Scopus: 2 - Times Cited Google Scholar: 5
31	Costa, C. (2011). Using Data Mining to help Auditors. IBIMA 2011.
32	Costa, C. (2011). Acceptance of Collaborative Systems. IBIMA 2011.
33	Costa, C. & Aparicio, M. (2009). Evaluating Information Sources for Computer Programming Learning and Problem Solving. Acs'09: Proceedings of the 9th Wseas International Conference on Applied Computer Science. - Times Cited Web of Science®: 2

• Other Publications

- Non-peer-reviewed papers

1	Costa, C. (2014). Perspectives on design of communication. Systems and Design of Communication .
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- Other publications

1	Pedrosa, I. & Costa, C. (2015). Computer assisted Audit Tools and techniques: New determinants on individual acceptance. CAPSI 2013.
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Academic Management Positions

Coordenador do 1º Ano (2016 - 2017)
Unit/Area: [9189] Computer Science and Business Management

Coordenador do 1º Ano (2016 - 2017)
Unit/Area: [8366] Computer Science and Business Management (PL)

Director (2016 - 2017)
Unit/Area: [6957] Open Source Software

Coordenador do 1º Ano (2014 - 2016)
Unit/Area: [8366] Computer Science and Business Management (PL)

Coordenador do 1º Ano (2014 - 2016)
Unit/Area: [9189] Computer Science and Business Management

Director (2014 - 2017)
Unit/Area: Centro para o Desenvolvimento das Tecnologias de Informática (ADETTI-IUL)

Membro (Docente) (2014)
Unit/Area: Comissão Científica

Presidente (2014 - 2017)
Unit/Area: Comissão Científica

Membro (Docente) (2013 - 2014)
Unit/Area: Plenário da Comissão Científica

Director (2013 - 2015)
Unit/Area: [6957] Open Source Software

Director (2013 - 2015)
Unit/Area: [0110] Applied Informatics to the Organizations

Director (2012 - 2013)
Unit/Area: [0110] Applied Informatics to the Organizations

Director (2011 - 2013)
Unit/Area: [6957] Open Source Software

Director (2010 - 2011)
Unit/Area: [9189] Computer Science and Business Management

Director (2010 - 2011)
Unit/Area: [6957] Open Source Software

Coordenador (2009 - 2010)
Unit/Area: [9189] Computer Science and Business Management

Coordenador (2009 - 2010)
Unit/Area: [B51] Information Systems Development