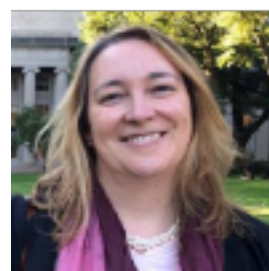


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Manuela Aparicio

Professora Auxiliar Convidada

Department of Information Science and Technology (ISTA)



Contacts

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Curriculum

Manuela Aparicio was an assistant professor in the Department of Science of Information and Technology at ISCTE-IUL, University Institute of Lisbon from 2017 until 2019. Previously she was lecturer at ISCTE from 2004 until 2017. Manuela is presently an assistant professor at NOVA IMS, Universidade Nova de Lisboa, since 2017. She earned her PhD degree in Information Management from Universidade Nova de Lisboa (UNL). Her MSc. degree is from ISCTE-IUL. Her research interests include the evaluation of information systems effectiveness. Specially the implementation and use of information technology in education. She is also interested in e-learning systems success research. She conducted a bibliometric study on e-learning evolution concepts, and proposed two different business models for massive online open courses (MOOCs). Her work appeared in the Information & Management, Journal of Educational Technology & Society, Internet and Higher Education, Computers in Human Behavior and others. She is a member of ACM (Association for Computer and Machinery), she is chair of EuroSIGDOC/ACM chapter and also belongs to ACM Women.

Research Interests

Information Systems
Information Systems Modulation
Information Management
Research Methodologies
Information Systems' Gamification

E-learning Systems
Massive Open Online Courses (MOOCs)
Free and Open Source Software
Knowledge Management & KMS
Enterprise Resource Planning (ERP)
Social Media Intelligence & Analysis
Content Management Systems

Academic Qualifications

University/Institution	Type	Degree	Period
Massachusetts Institute of Technology (MIT)	Technical Specialization Course	Digital Marketing and Social Media Analytics	2018
Nova IMS, Universidade Nova de Lisboa	PhD	PhD in Information Management, Specialization in Information and Decision Systems	2017
ISCTE	M.Sc.	Mestrado Estudos de Informação e Bibliotecas Digitais	2006

External Professional Activities

Period	Employer	Country	Description
Since 2017	Information Management School (NOVA IMS), Universidade Nova de Lisboa, Campolide, Portugal	Portugal	

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.
2018/2019	2º	Seminar on Information Systems Development	Post Graduation Program in Applied Informatics to the Organizations;	Yes
2018/2019	2º	Web Applications and Usability		No
2018/2019	2º	Technologies for Operational Information Systems		No
2018/2019	1º	Information Technology and Knowledge Management	Post Graduation Program in Applied Informatics to the Organizations;	Yes

2017/2018	2º	Seminar on Information Systems Development	Post Graduation Program in Applied Informatics to the Organizations;	No
2017/2018	2º	Seminar in Open Source Software		No
2017/2018	2º	Technologies for Operational Information Systems		Yes
2017/2018	1º	Information Technology and Knowledge Management	Post Graduation Program in Applied Informatics to the Organizations;	No
2017/2018	1º	Business Models and Economic Issues of Open Source Software		No
2017/2018	1º	Collaborative Systems	Post Graduation Program in Applied Informatics to the Organizations;	No
2016/2017	2º	Seminar on Information Systems Development	Post Graduation Program in Applied Informatics to the Organizations;	No
2016/2017	1º	Information Technology and Knowledge Management	Post Graduation Program in Applied Informatics to the Organizations;	No
2015/2016	2º	Seminar on Information Systems Development	Post Graduation Program in Applied Informatics to the Organizations;	No
2015/2016	2º	Seminar in Open Source Software		No
2015/2016	1º	Information Technology and Knowledge Management		No
2015/2016	1º	Business Models and Economic Issues of Open Source Software		No
2013/2014	2º	Seminar on Information Systems Development	Post Graduation Program in Applied Informatics to the Organizations;	No
2013/2014	2º	Seminar in Open Source Software		No
2013/2014	1º	Information Technology and Knowledge Management	Post Graduation Program in Applied Informatics to the Organizations;	No
2013/2014	1º	Introduction to Open Source Software		No
2013/2014	1º	Business Models and Economic Issues of Open Source Software		No

Supervisions

- **Ph.D. Thesis**
- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Ana Rute Apolinário Correia	Community Radio Stations Sustainability Model: An Open Source Solution.	English	Developing	Iscte
2	Ana Rute Correia	--	English	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Fátima Neves	"Open Data as a Catalyst for the Evolution of Smart Cities"	English	Information Management School (Nova IMS), Universidade Nova de Lisboa	2024
2	Wilmar Cidral	Determinants of e-Learning	English	Information Management School (Nova IMS), Universidade Nova de Lisboa	2021
3	Fernando José da Fonseca Bento	Adoção e sucesso de sistemas de informação integrados (ERP)	Portuguese	Iscte	2020
4	Martinha do Rosário Fonseca Piteira	Progarmming Learning in Higher Education: on-line gamified courses	Portuguese	Iscte	2018
5	Martinha do Rosário Fonseca Piteira	Aprendizagem da Programação no Ensino Superior: a adoção de cursos online gamificados	--	Iscte	2018

• M.Sc. Dissertations

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Marcela Tancredi Ghidelli	The Role of Gamification on Engagement and Purchase Intention Using Recommendation Systems	English	Information Management School (Nova IMS), Universidade Nova de Lisboa	2020
2	Mafalda Ramos Bernardo	--	English	Information Management School (Nova IMS), Universidade Nova de Lisboa	2019
3	Miguel Martins Travessa	--	English	Iscte	2019

4	Sónia Elisa Janota Tomásio	--	English	Information Management School (Nova IMS), Universidade Nova de Lisboa	2019
5	Pedro Eduardo Facho do Nascimento	--	English	Information Management School (Nova IMS), Universidade Nova de Lisboa	2019
6	João Pedro da Silva Rocha	Justice portal users success and use model	Portuguese	Iscte	2019
7	Janaina de Oliveira Rodrigues	The Impact of Gamification in the Corporate Education in Brazilian Companies	Portuguese	Iscte	2019
8	Rita de Orey Botelho Simões Roque de Pape	Citizen Engagement through City Apps ? Technology Adoption Approach	English	Iscte	2019
9	Sérgio Alexandre Ferreira	Document and records Management using Free and Open Source Software	Portuguese	Iscte	2019
10	Marco António de Araújo e Abreu	ERP adoption in cloud environment	Portuguese	Iscte	2018
11	Rafael dos Santos Moisés	Gamification in the e-commerce context - Analysis of the consumer purchase intention	Portuguese	Iscte	2018
12	Marco António de Araújo e Abreu	Cloud ERP Adoption	Portuguese	Iscte	2018
13	Hugo Miguel Costa Fornelos de Araújo	Modelo de Competitive Intelligence	Portuguese	Iscte	2017
14	António Sérgio Gomes Pereira	A Robótica no Ensino e Aprendizagem de Programação	Portuguese	Iscte	2017
15	João Nuno Marques Raposo	Avaliação do Sucesso da Adoção de um ERP no Contexto de Educação da Gestão no Ensino Universitário	Portuguese	Iscte	2017
16	Nuno Manuel Pereira de Carvalho Sousa	Modelo de Gestão do Conhecimento no Contexto de uma Organização da Área das Telecomunicações.	Portuguese	Iscte	2017
17	Mirza Alibhai Jamal	Gamificação em Ferramentas de Produtividade Cloud	Portuguese	Iscte	2016
18	Carlos Manuel Pereira Capela Bernardino	Modelo Concetual para Proposta de um Portal de Ação Social Usando Tecnologias Open Source.	Portuguese	Iscte	2016
19	Fábio Miguel Matos Ferreira	Aprendizagem na Programação: um modelo de continuidade de aprendizagem de programação	Portuguese	Iscte	2015

20	Jorge Miguel Freitas Varela	SMOC: sistema de e-learning em massa desenvolvido em open source	Portuguese	Iscte	2015
21	Mário Rui Reis Baptista	Abordagem metodológica para auxiliar no processo de localização de um ERP Open Source	Portuguese	Iscte	2014
22	Pedro Alexandre Fernandes Pinheiro	Adopção de sistemas Cloud Computing	Portuguese	Iscte	2014
23	Tiago Manuel Simões dos Santos	Metaversia - A MOOC model for Higher Education	English	Iscte	2012
24	Rui Pedro Gamito Figueiredo	Agregação da informação num portal de empreendedorismo	Portuguese	Iscte	2012
25	Miguel Carlos Gomes Reixa	Sistema de Avaliação de serviços de Cloud Computing	Portuguese	Iscte	2012
26	João Paulo Henriques de Figueiredo	Portal da Saúde - uma alternativa usando tecnologias Open Source	Portuguese	Iscte	2012
27	Manuel Francisco Videira Delgado	Combater o crime económico com armas digitais - O papel do Open-Source	Portuguese	Iscte	2012
28	João Pedro Santos Silva	Community sharing platform for mobile devices	English	Iscte	2012
29	Fernando Bento	--	Portuguese	Iscte	2011
30	Fernando Sousa	--	Portuguese	Iscte	2010

Total Citations

Web of Science®	2036
Scopus	2280

Publications

• Scientific Journals

- Scientific journal paper

1	Bernardino, C., Cesário, F., Costa, C. J., Aparicio, M. & Aparicio, J. T. (2025). Blockchain adoption factors. International Journal of Information Systems and Project Management. 13 (1) - Times Cited Web of Science®: 1 - Times Cited Scopus: 1 - Times Cited Google Scholar: 4
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2	Costa, C. J., Aparicio, M., Aparicio, S. & Aparicio, J. T. (2024). The democratization of artificial intelligence: Theoretical framework. <i>Applied Sciences</i>. 14 (18) - Times Cited Web of Science®: 14 - Times Cited Scopus: 23 - Times Cited Google Scholar: 45
3	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®: 33 - Times Cited Scopus: 35 - Times Cited Google Scholar: 61
4	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: 2 - Times Cited Google Scholar: 12
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®: 71 - Times Cited Scopus: 77 - Times Cited Google Scholar: 227
6	Fátima Trindade Neves, de Castro Neto, Miguel & Aparicio, M. (2020). The impacts of open data initiatives on smart cities: A framework for evaluation and monitoring. <i>Cities</i>. 106 (106), 102860-102860 - Times Cited Web of Science®: 93 - Times Cited Scopus: 114 - Times Cited Google Scholar: 207
7	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®: 40 - Times Cited Scopus: 39 - Times Cited Google Scholar: 78
8	Cidral, W. A., Aparicio, M. & Oliveira, T. (2020). Students' long-term orientation role in e-learning success: A Brazilian study. <i>Heliyon</i>. 6 (12), e05735 - Times Cited Web of Science®: 32 - Times Cited Scopus: 42 - Times Cited Google Scholar: 80
9	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®: 17 - Times Cited Scopus: 17 - Times Cited Google Scholar: 31
10	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 - Times Cited Web of Science®: 55 - Times Cited Scopus: 58 - Times Cited Google Scholar: 157

11	Correia, R., Vieira, J. & Aparicio, M. (2019). Community radio stations sustainability model: an open-source solution. <i>Radio Journal</i>. 17 (1), 29-45 - Times Cited Web of Science®: 10 - Times Cited Scopus: 14 - Times Cited Google Scholar: 26
12	Aparicio, M., Oliveira, T., Bação, F. & Painho, M. (2019). Gamification: a key determinant of massive open online course (MOOC) success. <i>Information and Management</i>. 56 (1), 39-54 - Times Cited Web of Science®: 236 - Times Cited Scopus: 277 - Times Cited Google Scholar: 486
13	Costa, C. J. & Aparicio, M. (2018). Gamification: software usage ecology. <i>The Online Journal of Science and Technology</i>. 8 (1), 92-100 - Times Cited Google Scholar: 21
14	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) - Times Cited Web of Science®: 15 - Times Cited Google Scholar: 88
15	Cidral, W. A., Oliveira, T., Di Felice, M. & Aparicio, M. (2018). E-learning success determinants: Brazilian empirical study. <i>Computers and Education</i>. 122, 273-290 - Times Cited Web of Science®: 438 - Times Cited Scopus: 471 - Times Cited Google Scholar: 976
16	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 - Times Cited Web of Science®: 9 - Times Cited Scopus: 9 - Times Cited Google Scholar: 17
17	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 - Times Cited Web of Science®: 8 - Times Cited Scopus: 6 - Times Cited Google Scholar: 22
18	Aparicio, M., Bação, F. & Oliveira, T. (2017). Grit in the path to e-learning success. <i>Computers in Human Behavior</i>. 66, 388-399 - Times Cited Web of Science®: 254 - Times Cited Scopus: 238 - Times Cited Google Scholar: 504
19	Aparicio, M., Bação, F. & Oliveira, T. (2016). An e-learning theoretical framework. <i>Journal of Educational Technology and Society</i>. 19 (1), 292-307 - Times Cited Web of Science®: 263 - Times Cited Scopus: 253 - Times Cited Google Scholar: 849

20	Aparicio, M., Bação, F. & Oliveira, T. (2016). Cultural impacts on e-learning systems' success. Internet and Higher Education . 31, 58-70 - Times Cited Web of Science®: 143 - Times Cited Scopus: 156 - Times Cited Google Scholar: 346
21	Costa, C. J., Ferreira, E., Fernando Bento & Aparicio, M. (2016). Enterprise resource planning adoption and satisfaction determinants. Computers in Human Behavior. 63, 659 - 671 - Times Cited Web of Science®: 123 - Times Cited Scopus: 133 - Times Cited Google Scholar: 306
22	Aparicio, M. & Costa, C. (2014). Data visualization. Communication Design Quarterly. 3 (1), 7-11 - Times Cited Web of Science®: 38 - Times Cited Google Scholar: 167
23	Costa, C. J., Aparicio, M. & Figueiredo, J. P. (2012). Patient Health Portal: user calendar perspective. Procedia Technology. 5, 849-858 - Times Cited Web of Science®: 2 - Times Cited Google Scholar: 8
24	Costa, C., Aparicio, M. & Figueiredo, J. P. (2012). Health portal: an alternative using open source technology. International Journal of Web Portals. 4 (4), 1-18 - Times Cited Scopus: 7 - Times Cited Google Scholar: 12
25	Costa, C. J. & Aparicio, M. (2004). Developing small web based systems. WSEAS Transactions on Computers. 3 (3), 647-652 - Times Cited Google Scholar: 6
26	Aparicio, M. & Costa, C. J. (1999). Utilização do jogo de simulação de gestão SIM 7 como instrumento pedagógico: um estudo exploratório. Revista Portuguesa de Marketing. 2 (7), 75-85 - Times Cited Google Scholar: 4

- Editorial

1	Costa, C. & Aparicio, M. (2023). Applications of Data Science and Artificial Intelligence. Applied Sciences. - Times Cited Web of Science®: 5 - Times Cited Scopus: 5 - Times Cited Google Scholar: 22
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• Books and Book Chapters

- Book chapter

1	Nuno Moura Lopes, Aparicio, M. & Fátima Trindade Neves (2022). Supporting Situational Awareness on Aviation Pilots: Key Insights Affecting the Use of Electronic Flight Bags Devices. In nformation Systems and Technologies: WorldCIST 2022. (pp. 93-101).: Springer. - Times Cited Web of Science®: 4 - Times Cited Scopus: 5 - Times Cited Google Scholar: 10
2	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

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Costa, C., Aparicio, M. & Joao Tiago Aparicio (2025). Gamifying Human-AI Interaction: Using Large Language Models for Enhanced Engagement and Learning. In 2025 IEEE 5th International Conference on Human-Machine Systems (ICHMS). (pp. 325-331). Abu Dhabi, United Arab Emirates: IEEE.
2	Aparicio, J. T., Aparicio, M. & Costa, C. J. (2023). Design science in information systems and computing. In Sajid Anwar, Abrar Ullah, Álvaro Rocha, Maria José Sousa (Ed.), Proceedings of International Conference on Information Technology and Applications: ICITA 2022. (pp. 409-419). Lisboa: Springer. - Times Cited Scopus: 2 - Times Cited Google Scholar: 23
3	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 Web of Science®: 8 - Times Cited Scopus: 10 - Times Cited Google Scholar: 21
4	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. - Times Cited Scopus: 10 - Times Cited Google Scholar: 19
5	Bernardo, de Castro Neto & Aparicio, M. (2019). Smart Mobility: a multimodal services study in the metropolitan area of Lisbon. In CAPSI 2019. Lisboa: AIS. - Times Cited Scopus: 1 - Times Cited Google Scholar: 5
6	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. - Times Cited Web of Science®: 5 - Times Cited Scopus: 5 - Times Cited Google Scholar: 32
7	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. - Times Cited Web of Science®: 3 - Times Cited Scopus: 4 - Times Cited Google Scholar: 7
8	Lobao, Filipa, de Castro Neto, Miguel & Aparicio, M. (2019). SMART TOURISM – CITY TOURISM RADAR: A Tourism Monitoring Tool at the City of Lisbon. In CAPSI 2019. Lisboa - Times Cited Scopus: 2 - Times Cited Google Scholar: 4
9	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. - Times Cited Google Scholar: 1

10	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. - Times Cited Web of Science®: 10 - Times Cited Scopus: 12 - Times Cited Google Scholar: 22
11	Costa, C. & Aparicio, M. (2019). Supporting the decision on dashboard design charts. In Proceedings of 254th The IIER International Conference. S. Petersburg - Times Cited Web of Science®: 10 - Times Cited Google Scholar: 28
12	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. - Times Cited Scopus: 4 - Times Cited Google Scholar: 5
13	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. - Times Cited Scopus: 73 - Times Cited Google Scholar: 149
14	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. - Times Cited Scopus: 3 - Times Cited Google Scholar: 9
15	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). - Times Cited Google Scholar: 1
16	Costa, C. J., Aparicio, M., Aparicio, S. & Aparicio, J. T. (2017). Gamification usage ecology. In 35th ACM International Conference on the Design of Communication. Halifax: ACM Press. - Times Cited Web of Science®: 26 - Times Cited Scopus: 24 - Times Cited Google Scholar: 76
17	Piteira, M. , Costa, C. J. & Aparicio, M. (2017). A conceptual framework to implement gamification on online courses of computer programming learning: Implementation. In Chova, L. G., Martinez, A. L. and Torres, I. C. (Ed.), ICERI2017 Proceedings. (pp. 7022-7031). Seville, Spain: IATED. - Times Cited Web of Science®: 13 - Times Cited Google Scholar: 30
18	Hugo Araujo, Costa, C. J. & Aparicio, M. (2017). Modelo de competitive intelligence (CI). 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). Lisbon, Portugal: IEEE. - Times Cited Scopus: 4 - Times Cited Google Scholar: 13
19	Ferreira, F., Costa, C. J., Aparicio, M. & Aparicio, S. (2017). Aprendizagem na programação: um modelo de continuidade de aprendizagem de programação. In Reis L. P., Rocha A., Alturas B., Costa C., Cota M. P. (Ed.), 12th Iberian Conference on Information Systems and Technologies, CISTI 2017. Lisbon: IEEE. - Times Cited Scopus: 3

20	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. - Times Cited Scopus: 6 - Times Cited Google Scholar: 1
21	Costa, C. & Aparicio, M. (2014). Evaluating success of a programming learning tool. In Carlos J. Costa, Manuela Aparicio (Ed.), ISDOC '14 Proceedings of the International Conference on Information Systems and Design of Communication . (pp. 73-78). Lisboa: ACM . - Times Cited Web of Science®: 9 - Times Cited Scopus: 8 - Times Cited Google Scholar: 21
22	Pedro Pinheiro, Aparicio, M. & Costa, C. (2014). Adoption of cloud computing systems. In Carlos J. Costa, Manuela Aparicio (Ed.), ISDOC '14 Proceedings of the International Conference on Information Systems and Design of Communication . (pp. 127-131). Lisboa: ACM. - Times Cited Web of Science®: 18 - Times Cited Scopus: 23 - Times Cited Google Scholar: 58
23	Aparicio, M., Fernando Bacao & Oliveira, T. (2014). MOOC's Business Models: Turning Black Swans into Gray Swans. In Carlos J. Costa, Manuela Aparicio (Ed.), ISDOC 2014, Proceedings of the International Conference on Information Systems and Design of Communication. (pp. 45-49). Lisboa: ACM. - Times Cited Web of Science®: 16 - Times Cited Scopus: 17 - Times Cited Google Scholar: 48
24	Aparicio, M., Bação, F. & Oliveira, T. (2014). Trends in the e-learning ecosystem: A bibliometric study. In AIS (Ed.), AMCIS 2014 Proceedings, Twentieth Americas Conference on Information Systems. Savannah: AIS. - Times Cited Web of Science®: 5 - Times Cited Scopus: 17 - Times Cited Google Scholar: 41
25	Santos, T., Costa, C. J. & Aparício, M. (2013). METAVERSIA: A proposal for a Drupal based MOOC publisher. In Costa, C. J., and Aparício, M. (Ed.), OSDOC '13: Proceedings of the Workshop on Open Source and Design of Communication. (pp. 25-32). Lisboa: 4th Workshop on Open Source and Design of Communication, OSDOC 2013. - Times Cited Scopus: 1 - Times Cited Google Scholar: 8
26	Aparicio, M. & Bacao, F. (2013). E-learning concept trends. In Costa, C. J., and Aparicio, M. (Ed.), ISDOC '13: Proceedings of the 2013 International Conference on Information Systems and Design of Communication. (pp. 81-86). Lisboa: Association for Computing Machinery. - Times Cited Scopus: 12 - Times Cited Google Scholar: 63
27	Delgado, M., Aparicio, M. & Costa, C. (2012). Using Open Source for forensic purposes. In Workshop on Open Source and Design of Communication, OSDOC 2012. (pp. 31-37). Lisbon: ACM. - Times Cited Scopus: 4 - Times Cited Google Scholar: 6
28	Aparicio, M., Costa, C. J. & Braga, A. S. (2012). Proposing a system to support crowdsourcing. In Workshop on Open Source and Design of Communication, OSDOC 2012. (pp. 13-17). Lisbon: ACM. - Times Cited Scopus: 10 - Times Cited Google Scholar: 30

29	Figueiredo, R., Costa, C. J. & Aparicio, M. (2012). Information aggregation in an entrepreneurship portal. In Workshop on Open Source and Design of Communication, OSDOC 2012. (pp. 45-50). Lisbon: ACM.
30	Aparicio, M. & Costa, C. J. (2012). Macroeconomics leverage trough open source. In Workshop on Open Source and Design of Communication, OSDOC 2012. (pp. 19-24). Lisbon: ACM. - Times Cited Scopus: 8 - Times Cited Google Scholar: 15
31	Figueiredo, J. P., Costa, C. J. & Aparicio, M. (2012). Patient health portal: a calendar paradigm. In Workshop on Open Source and Design of Communication, OSDOC 2012. (pp. 39-44).: ACM. - Times Cited Google Scholar: 2
32	Costa, C. J., Aparicio, M. & Braga, A. S. (2012). Design of communication: a review of theories and models. In Workshop on Information Systems and Design of Communication, ISDOC 2012. (pp. 15-19). Lisbon: ACM. - Times Cited Scopus: 2 - Times Cited Google Scholar: 6
33	Reixa, M., Costa, C. & Aparicio, M. (2012). Cloud services evaluation framework. In Workshop on Open Source and Design of Communication, OSDOC 2012. (pp. 61-69). Lisbon: ACM. - Times Cited Scopus: 18 - Times Cited Google Scholar: 43
34	Pissarra, J., Costa, C. J. & Aparicio, M. (2012). Brainstorming reconsidered in computer-mediated communication and group support system context. In Workshop on Information Systems and Design of Communication, ISDOC 2012. (pp. 45-50). Lisboa: ACM.
35	Costa, C. J., Aparicio, M. & Cordeiro, C. (2012). Web-based graphic environment to support programming in the beginning learning process. In Herrlich, M., Malaka, R., and Masuch, M. (Ed.), Entertainment Computing - ICEC 2012. ICEC 2012. Lecture Notes in Computer Science. (pp. 413-416). Bremen: Springer. - Times Cited Scopus: 9 - Times Cited Google Scholar: 16
36	Aparicio, M. & Costa, C. J. (2012). Collaborative systems: Characteristics and features. In Zachry, M., and Spinuzzi, C. (Ed.), SIGDOC '12: Proceedings of the 30th ACM international conference on Design of communication. (pp. 141-146). Seattle, Washington, USA: Association for Computing Machinery. - Times Cited Web of Science®: 6 - Times Cited Scopus: 6 - Times Cited Google Scholar: 16
37	Aparicio, M. & Costa, C. J. (2001). A first step toward e-politics: A better informed citizen. In IRIS 24: Proceedings of the 24th Information Systems Research Seminar in Scandinavia. (pp. 23-34). Bergen, Norway: Information Systems Research Seminar in Scandinavia. - Times Cited Google Scholar: 3

- Conference proceedings editor

1	Costa, C. & Aparicio, M. (2014). ISDOC '14 Proceedings of the International Conference on Information Systems and Design of Communication .
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- Talk

1	Marques, D., Costa, C. & Aparicio, M. (2018). Data Quality: o problema da duplicação de dados. Poster Session of 13th Iberian Conference on Information Systems and Technologies (CISTI) CISTI 2018.
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2	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
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Awards
ISCTE-IUL Research Award 2019 (2019)
ISCTE-IUL Research Award 2018 (2018)
ISCTE-IUL 2017 Scientific Award (2017)
Outstanding Volunteer Association for Computing and Machinery Special Interest ACM SIGDOC Group on Design of Communication (2008)

Professional Associations
Chair ACM –EUROSIGDOC (SIGDOC European Chapter) (Since 2018)
Resident Researcher at MagIC/ NOVA Information Management School (NOVA IMS), Universidade de Nova de Lisboa, Portugal (Since 2017)
AIS Association for Information Systems (Since 2014)
Board of EUROSIGDOC (Board Member) (Since 2011)
EuroSIGDOC/ ACM European Chapter (Since 2011)
SIGDOC ACM (Professional Member) (Since 2007)
ACM Association for Computer and Machinery (Since 2007)
Certified Public Accountants (Since 1992)

Organization/Coordination of Events			
Type of Organization/Coordination	Event Title	Organizer	Year
Member of scientific event committee	CISTI'2019 - 14th Iberian Conference on Information Systems and Technologies	AISTI	2018 - 2019
Member of scientific event committee	18ª Conferência da Associação Portuguesa de Sistemas de Informação	APSI/AIS	2018
Member of scientific event committee	WICTA 2018 - 5th International Workshop on ICT for Auditing	AISTI	2018
Member of scientific event committee	SIGDOC/ ACM 2018 Conference	SIGDOC/ACM	2018
Member of scientific event committee	CISTI'2018 - 13th Iberian Conference on Information Systems and Technologies	AISTI	2018

Coordination of scientific event (with scientific committee) at ISCTE-IUL	Winter School 2018 ISTAR-IUL	ISTAR-IUL	2018
Member of scientific event committee	24TH AMERICAS CONFERENCE ON INFORMATION SYSTEMS (AMCIS 2018)	AIS	2018
Member of scientific event committee	SIGDOC 2017- Special Interest Group on the Design of Communication (SIGDOC)	SIGDOC/ ACM	2017
Member of scientific event committee	WICTA 2017 - 4th International Workshop on ICT for Auditing	AISTI	2017
Member of scientific event committee	CAPSI 2017- 17 th Conference of Associação Portuguesa de Sistemas de Informação	APSI	2017
Member of scientific event committee	CISTI'2017 - 12th Iberian Conference on Information Systems and Technologies	AISTI	2017 - 2018
Member of scientific event committee	Americas Conference on Information Systems (AMCIS 2017)	AIS	2016 - 2017
Member of scientific event committee	CAPSI 2016	APSI	2016
Member of scientific event committee	Iberian Workshop WICTA 2015	AISTI/	2015
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	ISDOC 2014	ACM/EuroSIGDOC	2014
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	OSDOC 2013	ACM/EuroSIGDOC	2013
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	ISDOC 2013	ACM/EuroSIGDOC	2013
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	OSDOC 2012	ACM/EuroSIGDOC	2012
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	ISDOC 2012	ACM/EuroSIGDOC	2012
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	OSDOC 2011	ACM/EuroSIGDOC	2011
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	OSDOC 2010	ACM	2010
Member of scientific event's organizing committee	SIGDOC2008	ACM/ISCTE	2008

Diffusion Activities

Activity Type	Event Title	Activity Description	Year
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Talk/Conference in public diffusion event	FAMELAB Talking Science Contest at ISCTE-IUL	Communication science Pitch "How to increase on-line courses success"	2019
Talk/Conference in public diffusion event	Scientifical Writing	Comunication on scientifical writing at Portuguese Airforce Academy, to master students in Information Tecnology scope.	2019
Talk/Conference in public diffusion event	Ubucon Portugal 2019	Conference dedicated to Ubuntu with talks, workshops, networking, learning install festival and lots of open source software and Ubuntu	2019
Talk/Conference in public diffusion event	Festa do Software Livre: Free Software and the role of the Government Panel	Participation in a panel about the adoption of Free Software and the role of the government, I represented the role of the academia in the FLOSS adoption, in this panel panelists were from various associations ESOP (association of free software enterprises), ANSOL (Free Software Association), a representant on secondary education, and various intervenients from various political parties.	2018
Talk/Conference in public diffusion event	National Science Meeting 2018	Presenting with co-authors the scientific poster with the title: "Gamificação – Framework teórica para cursos online de aprendizagem de programação"	2018
Talk/Conference in public diffusion event	Ciclo de aulas abertas do MSIG- Coimbra Business School	Science communication at Coimbra Business School, in the context of the application of gamification in organizational & societal information systems, in an opne class format..	2018
Talk/Conference in public diffusion event	People of ACM Interview	Interview for People of ACM European Chapters - Manuela Aparicio	2018
Member of organizing committee of knowledge diffusion event	Winter School 2018 ISTAR-IUL	The central idea of the Winter School 2018 is the free exchange of information, experiences and results of recent research and development activities, in a number of topics related to multidisciplinary area of applied computing , between researchers from the ISTAR-IUL of the University Institute of Lisbon (ISCTE-IUL), as well as from other national and international academic institutions. The Winter School aims at achieving a greater mutual understanding between those same researchers and the c	2018

Publication in general diffusion news outlet	UBUNTO PT Podcast	Participation in the UBUNTU PT podcast on open source teaching.	2018
Coordination of knowledge diffusion event	European researchers ' Night 2017 (ERN): Programming Learning with gamification and robotics	Gamification and robotics are two motivation drivers in programming learning, therefore in European researchers ' Night (ERN) in 2017 are presented two main activities to participants. One activity is a gamified environment short programming challenges, participants gain points and enter on leaderboards per challenge. Another activity consists on programming various robots, using from the most basic programming functions to most challenging algorithms.	2017
Talk/Conference in public diffusion event	Gamification in information systems	Science communication at Coimbra Business School, in the context of the application of gamification in organizational & societal information systems, in an open class format	2017
Talk/Conference in public diffusion event	Copyright and licensing in scientific publications	The presentation provides an overview of the main principles and legal rules of Intellectual Property (IP). Focusing specifically on the theoretical and practical connections between IP and academic/scientific works/studies. It also covers a topic on new way of protecting IP in digital world.	2014

Scientific Editing/Reviewing Activities

Type of Activity	Journal Title	ISSN/Quartile	Period	Language
Member of scientific journal editing staff	Journal Education Sciences; ISSN 2227-7102	--	2018	English
Member of scientific journal editing staff	Computers and Education; ISSN:0360-1315	--	Since 2017	English
Member of scientific journal editing staff	Journal of Supercomputing ISSN: 0920-8542 (Print) 1573-0484 (Online)	--	2016	English
Member of scientific journal editing staff	The Social Science Journal; ISSN: 0362-3319	--	2016	English
Member of scientific journal editing staff	International Journal of Technology and Human Interaction ISSN: 1548-3908	--	2016	English
Member of scientific journal editing staff	Computers in Human Behavior ISSN: 0747-5632	--	2016	English

Products			
Product Type	Product Title	Detailed Description	Year
Prototype	e-Pacoli Financial Portal	Propsal of a Financial Portal: E-Pacioli	2004