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António Luís Lopes

Professor Auxiliar

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Curriculum

António Lopes, Licenciante in Computer Science and Business Management (2002, ISCTE), MSc in Computer Engineering and Telecommunications (2006, ISCTE) and a PhD in Information Sciences and Technologies - Artificial Intelligence branch (2011, ISCTE-IUL), is an Assistant Professor in the Department of Information Science and Technology of the School of Technologies and Architecture at ISCTE-University Institute of Lisbon. Since 2015, he has been Director of ISCTE's Information Systems Development Services.

His research activities began in 2000 at ADETTI's intelligent systems laboratory, where he participated in various national and international projects until the end of 2008. In January 2009 started his activities as researcher at IT-IUL (the research group of ISCTE-IUL's group at Instituto de Telecomunicações) until October 2025. Currently, he's a full member researcher at ISTAR_Iscte where he focuses on the application of Artificial Intelligence across other research areas.

He is responsible for the Specialisation Seminar in Generative Artificial Intelligence in Teaching and Research for training teachers and researchers at ISCTE and coordinator of the course Academic Work with Artificial Intelligence, dedicated to training students in the ethical and responsible use of Generative AI.

Research Interests

Artificial Intelligence
Machine Learning
Intelligent Agents
Generative AI

Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitário de Lisboa	PhD	Ciências e Tecnologias de Informação (Inteligência Artificial)	2011
ISCTE-Instituto Universitário de Lisboa	M.Sc.	Engenharia Informática e Telecomunicações	2006
ISCTE - Instituto Superior Ciências Trabalho e da Empresa	Licenciante	Informática e Gestão de Empresas	2002

External Professional Activities

Period	Employer	Country	Description
2025 - 2026	EuroCRIS	Netherlands	EuroCRIS Board Member

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord
2026/2027	2º	Computing for Economics and Business	Institutional Degree in Escola de Tecnologias e Arquitetura;	Yes
2026/2027	2º	Academic Work with Artificial Intelligence		Yes
2026/2027	2º	Digital Technologies for Accounting and Taxation	Master Degree in Accounting and Taxation;	Yes
2026/2027	1º	Seminar in Human Resource Management and Organizational Consultancy	Master Degree in Human Resource Management and Organizational Consultancy;	No
2026/2027	1º	Fundamentals of Database Management	Bachelor Degree in Data Science;	No
2026/2027	1º	Big Data Storage	Bachelor Degree in Data Science;	Yes

2026/2027	1°	Big Data Management	Master Degree in Integrated Business Intelligence Systems;	No
2026/2027	1°	Autonomous Agents	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering;	No
2026/2027	1°	Academic Work with Artificial Intelligence		Yes
2025/2026	2°	Computing for Economics and Business	Institutional Degree in Escola de Tecnologias e Arquitetura;	Yes
2025/2026	2°	Academic Work with Artificial Intelligence		Yes
2025/2026	2°	Artificial Intelligence in Healthcare	Post Graduation Program in Management for Healthcare Professionals;	Yes
2025/2026	2°	Introdução à Inteligência Artificial Generativa em Contexto Profissional		Yes
2025/2026	1°	Fundamentals of Database Management	Bachelor Degree in Data Science;	No
2025/2026	1°	Big Data Storage	Bachelor Degree in Data Science;	No
2025/2026	1°	Big Data Management		No
2025/2026	1°	Academic Work with Artificial Intelligence		Yes
2025/2026	1°	Artificial Intelligence in Healthcare	Master Degree in Applied Management in Healthcare;	Yes
2025/2026	1°	Generative Artificial Intelligence Use in Teaching and Research	Specialization Seminar in Generative Artificial Intelligence Use in Teaching and Research;	Yes
2024/2025	2°	Generative Artificial Intelligence Use in Teaching and Research	Specialization Seminar in Generative Artificial Intelligence Use in Teaching and Research;	Yes
2024/2025	1°	Artificial Intelligence in Healthcare	Master Degree in Applied Management in Healthcare;	Yes
2024/2025	1°	Generative Artificial Intelligence Use in Teaching and Research	Specialization Seminar in Generative Artificial Intelligence Use in Teaching and Research;	Yes
2023/2024	2°	Generative Artificial Intelligence Use in Teaching and Research	Specialization Seminar in Generative Artificial Intelligence Use in Teaching and Research;	Yes
2012/2013	2°	Information System Design and Development	Bachelor Degree in Computer Engineering;	No
2012/2013	1°	Concurrent and Parallel Programming	Bachelor Degree in Computer Science and Business Management;	No

2011/2012	2º	Algorithms and Data Structures		No
2011/2012	1º	Concurrent and Parallel Programming	Bachelor Degree in Computer Engineering;	No
2010/2011	2º	Algorithms and Data Structures		No
2010/2011	1º	Introduction to Programming	Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2009/2010	2º	Algorithms and Data Structures		No
2009/2010	1º	Introduction to Programming		No
2009/2010	1º	Concurrent and Parallel Programming		No
2008/2009	2º	Ict'S for Management		No
2008/2009	2º	Algorithms and Data Structures		No
2008/2009	2º	Flow of Information Systems		No
2008/2009	1º	Introduction to Programming		No

Supervisions

• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Afonso Diogo Ventura	Casino Player Data Prediction	--	Developing	Iscte
2	Nuno Gericota Alvim Sequeira Martins	Automatic Aggregation and Consolidation of Clinical Trial Data Sources using AI	--	Developing	Iscte
3	Pedro Miguel Fonseca da Silva	AI governance in the European context, integration of the AI Act, GDPR and international standards in private and public institutions	--	Developing	Iscte
4	Afonso Maria Mendes Peças	Automatic Detection of Fictitious Bibliographic References in Academic Theses	--	Developing	Iscte

5	Pedro António Ferra Moura	Ciberdúvidas: Conversational Agent for Answering Questions about the Portuguese Language	--	Developing	Iscte
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- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Tomás Alexandre Luís Guitana	Comparison between the responses of an Artificial Intelligence Chatbot and traditional doctor-patient interactions in oncology care in Portugal	Portuguese	Iscte	2025
2	Catarina Duarte Brito	Chatbot based on LLMs for Support and Development Teams	English	Iscte	2025
3	Guilherme Vaz Louro	Beyond Citation Counts: Evaluating Publication Impact Through Journal-Level Citation Metrics	English	Iscte	2025
4	David Miguel Nunes Rodrigues	Automatic Detection of Missing Information in the Indexing of Scientific Publications	English	Iscte	2023
5	Catarina Cruz Correia	Study of the Impact of an Interactive Solution on a University Campus - ISCTE-IUL Case	Portuguese	Iscte	2019
6	Filipe Doria Farrajota Calixto Pires	Impacto da utilização de mecanismos de gamificação em aplicações móveis	Portuguese	Iscte	2017
7	Adriano José Lopes Fernandes	Analysis, Design and Development of a Responsive Crowdsourcing Platform	English	Iscte	2016
8	Fábio José Leitão Paulino	Desing and development of a hybrid-based mobile app for ISCTE-IUL	English	Iscte	2015
9	Sérgio Samora Cerqueira	Assistentes pessoais sensíveis ao contexto para Ambientes Móveis	Portuguese	Iscte	2013
10	Luís Filipe Araújo Cardoso	Sistema de Apoio ao Aluno Universitário U+	Portuguese	Iscte	2012
11	Marcos André Moreira Pinto	Acode: Sistema Web para Avaliação Automática de Algoritmos Java	Portuguese	Iscte	2012

• M.Sc. Final Projects

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
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1	Vanessa Sofia Jorge Alves	Artificial Intelligence applied to burnout prevention in healthcare professionals	--	Developing	Iscte
2	Filipa Quartin Graça Barbosa	Inteligência Artificial na Gestão do Risco Vascular: Sistema de Suporte à Decisão para a Otimização Clínica em Hemodiálise	--	Developing	Iscte
3	João Miguel Lima Ferreira	ARCO-TF — Algoritmo de Registo e Raciocínio Clínico em Terapia da Fala	--	Developing	Iscte
4	Afonso Gule Júnior	Uma Análise do Potencial dos Assistentes Virtuais Inteligentes como Instrumento de Mediação no e-SISTAFE	--	Developing	Iscte
5	Ana Paula Lúcio Oliveira	A Inteligência Artificial na Inovação Digital das Autarquias Locais: Proposta de Modernização para o Município da Lourinhã	--	Developing	Iscte
6	Nuno Vasconcelos de Oliveira Eisele	Agentes Virtuais com IA: Inovação nos Serviços Universitários	--	Developing	Iscte
7	Tiago Figueiredo Peres dos Santos	Advancing Research Visibility through Improved CRIS and National CV System Interoperability	--	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Sónia Marisa Casanova da Silva Martins Marques	New Triage Model for the Ophthalmology Service at Hospital de Loures	Portuguese	Iscte	2025
2	Raquel Maria Branco Hortelão	Development of a Clinical Chatbot with Artificial Intelligence for Post-Discharge Follow-Up in Medical Inpatient Care	Portuguese	Iscte	2025

Total Citations

Web of Science®	28
Scopus	80

Publications

• Scientific Journals

- Scientific journal paper

1	Rodrigues, D., Lopes, A. & Batista, F. (N/A). Detecting incoherent citation data among three bibliometric platforms: OpenAlex, Scopus and Web of Science. <i>Journal of Information Science</i> . N/A - Times Cited Web of Science®: 4 - Times Cited Scopus: 4 - Times Cited Google Scholar: 4
2	Lopes, A. L. (2019). A influência do Acesso Aberto nas citações e nas métricas alternativas: o caso do ISCTE-IUL. <i>Ciência da Informação</i> . 48 (3), 147-152 - Times Cited Scopus: 1 - Times Cited Google Scholar: 1
3	Lopes, A. L. & Botelho, L. (2013). Distributed Coordination of Heterogeneous Agents Using a Semantic Overlay Network and a Goal-Directed Graphplan Planner. <i>PLoS One</i> . 8 (5), e62931 - Times Cited Web of Science®: 1 - Times Cited Scopus: 1 - Times Cited Google Scholar: 2
4	Lopes, A. L. & Botelho, L. (2008). Improving multi-agent based resource coordination in peer-to-peer networks. <i>Journal of Networks</i> . 3 (2), 38-47 - Times Cited Scopus: 20 - Times Cited Google Scholar: 29

• Books and Book Chapters

- Book chapter

1	Lopes, A. L. & ChatGPT (2025). Oportunidades e desafios da utilização da inteligência artificial generativa no ensino universitário. In Sónia Pintassilgo, Alexandre Almeida, Ana Catarina Nunes, Helena Soares, Isabel Correia, Patrícia Dinis Costa, Vania Baldi, David Isaac, Henrique Lage, Beatriz Saavedra, Gonçalo Tomé Ribeiro, Helena Alvito (Ed.), <i>Novos Exemplos de práticas pedagógicas e estratégias de inovação pedagógica no Iscte</i> . (pp. 9-22). Lisboa: Iscte – Instituto Universitário de Lisboa.
2	Bonardi, D., Botelho, L., Klusch, M., Lopes, A. L., Möller, T., Sousa, A...Vasirani, M. (2008). Quantitative Analysis. In Michael Schumacher, Heikki Helin, Heiko Schuldt (Ed.), <i>CASCOM: Intelligent Service Coordination in the Semantic Web</i> . (pp. 349-362). Suiça: Whitestein.
3	Botelho, L., Lopes, A. L., Möller, T. & Schuldt, H. (2008). Semantic Web Service Execution. In Michael Schumacher, Heikki Helin, Heiko Schuldt (Ed.), <i>CASCOM: Intelligent Service Coordination in the Semantic Web</i> . (pp. 263-288). Zurique: Whitestein. - Times Cited Google Scholar: 1
4	Lopes, A. L. & Botelho, L. (2007). Executing Semantic Web Services with a Context-aware Service Execution Agent. In <i>Service-Oriented Computing: Agents, Semantics, and Engineering</i> . (pp. 1-15).: Springer-Verlag. - Times Cited Web of Science®: 5 - Times Cited Scopus: 7 - Times Cited Google Scholar: 12

5	<p>Helin, H., Klusch, M., Lopes, A. L., Fernández, A., Schumacher, M., Schuldt, H....Kinnunen, A. (2005). CASCOM: Context-Aware Service Co-ordination in Mobile P2P Environments. In Multiagent System Technologies. (pp. 242-243): Springer-Verlag.</p> <p>- Times Cited Web of Science®: 6 - Times Cited Scopus: 6 - Times Cited Google Scholar: 11</p>
6	<p>Lopes, A. L. & Botelho, L. (2005). Chomsky: a Content Language Translation Agent. In Multi-Agent Systems and Applications. (pp. 535-538): Springer-Verlag.</p> <p>- Times Cited Web of Science®: 2 - Times Cited Scopus: 2 - Times Cited Google Scholar: 3</p>

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	<p>Lopes, A. L. (2026). Literacia e inovação pedagógica na era da IA generativa. In María José Bolarín Martínez, Abraham Bernárdez Gómez (Ed.), XIV Congreso Iberoamericano de Docencia Universitaria. (pp. 445-446). Santiago de Compostela</p>
2	<p>Lopes, A. L. (2025). Generative AI in Scientific Research: Opportunities, Challenges, and Ethical Implications. In António Ramos Pires, Margarida Saraiva, Ana Raquel Xambre (Ed.), XV Meeting Quality Researchers. (pp. 17-31). Águeda: RIQUAL.</p>
3	<p>Ramos, I., Mesquita, A., Lopes, A. L., Moreira, F., Barros, V., Sousa, R. D....Leite, P. (2025). Studying the GenAI's Impact on Learning and Critical Thinking: A Multi-Site Field Experiment. In ICIS 2025 Proceedings. Nashville</p>
4	<p>Mauritti, R, Roque Ferreira, M., Pintassilgo, S. & Lopes, A. L. (2025). Enhancing Student Success and Reducing Dropout: a Case Study from a Portuguese University. In EDULEARN 25. (pp. 6484-6489).</p> <p>- Times Cited Google Scholar: 1</p>
5	<p>Rodrigues, D., Lopes, A. L., Mauritti, R, Roque Ferreira, M. & Pintassilgo, S. (2025). Early Detection of At-Risk University Students Using Machine Learning: a Study of Model Performance in Evolving Academic Environments. In EDULEARN 2025. (pp. 6538-6545).</p> <p>- Times Cited Google Scholar: 2</p>
6	<p>Lopes, A. L., Mauritti, R, Martins, S. da C, Pintassilgo, S., Matias, C. & José, S. (2024). Digital tools for the prevention of dropout and academic failure: A case study of a Portuguese university. In Luis Gómez Chova, Chelo González Martínez, Joanna Lees (Ed.), EDULEARN24 Proceedings. (pp. 7092-7098). Palma, Spain: IATED Academy.</p> <p>- Times Cited Google Scholar: 2</p>
7	<p>Rodrigues, D., Lopes, A. L. & Batista, F. (2023). Web of Science citation gaps: An automatic approach to detect indexed but missing citations. In Simões, A., Berón, M. M., and Portela, F. (Ed.), 12th Symposium on Languages, Applications and Technologies (SLATE 2023). Porto: Schloss Dagstuhl -- Leibniz-Zentrum für Informatik.</p> <p>- Times Cited Web of Science®: 2 - Times Cited Scopus: 2 - Times Cited Google Scholar: 5</p>

8	<p>Lopes, A. & Amaral, B. (2023). A machine learning approach for mapping and accelerating multiple sclerosis research. In Martinho, R., Rijo, R., Cruz-Cunha, M. M., Domingos, D., and Peres, E. (Ed.), <i>Procedia Computer Science</i>. (pp. 1193-1199). Lisboa: Elsevier.</p> <p>- Times Cited Scopus: 1 - Times Cited Google Scholar: 2</p>
9	<p>Lopes, A. L. (2019). Integrating a local CRIS with the PTCRIS synchronization ecosystem. In Miguel-Angel Sicilia, Ed Simons, Anna Clements, Pablo de Castro, Johan Bergström (Ed.), <i>Procedia Computer Science</i>. (pp. 166-172). Umeå: Elsevier.</p> <p>- Times Cited Web of Science®: 3 - Times Cited Scopus: 3 - Times Cited Google Scholar: 7</p>
10	<p>Lopes, A. L., Almeida, F. & Figueiredo, V. (2019). Online-learning at ISCTE-IUL: towards a sustainable education paradigm. In <i>GFIC 2019 - Proceedings of the 2nd Global Forum of Intellectual Capital</i>. (pp. 59-66). Lisboa</p> <p>- Times Cited Web of Science®: 3 - Times Cited Google Scholar: 6</p>
11	<p>Ferreira, J. C., Lopes, A. L. & Albuquerque, V. (2018). Context-aware information in mobile devices. In <i>Lecture Notes in Engineering and Computer Science</i>. (pp. 343-348). San Francisco: International Association of Engineers.</p>
12	<p>Pinto, M. A. & Lopes, A. L. (2012). ACode: Web-based system for automatic evaluation of Java code. In Lopes, A., and Pereira, J. O. (Ed.), <i>INForum 2012 - Simpósio de Informática</i>. Monte da Caparica: Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa.</p> <p>- Times Cited Google Scholar: 1</p>
13	<p>Lopes, A. L. & Botelho, L. (2012). Efficient algorithms for agent-based semantic resource discovery. In <i>8th International Workshop on Agents and Peer-to-Peer Computing, AP2PC 2009</i>. (pp. 71-82). Berlin: Springer.</p> <p>- Times Cited Google Scholar: 6</p>
14	<p>Lopes, A. L. & Botelho, L. M. (2010). Coordination in open and unstructured intelligent agent societies: Using distributed planners on top of a semantic overlay network. In Filipe, J., Fred, A. L. N., and Sharp, B. (Ed.), <i>ICAART 2010 - Proceedings of the International Conference on Agents and Artificial Intelligence</i>. (pp. 347-350). Valencia, Spain: INSTICC Press.</p>
15	<p>Lopes, A. L. & Botelho, L. (2007). A Context-aware Semantic Web Service Execution Agent. In <i>9th International Conference on Enterprise Information Systems</i>. (pp. 231-234). Funchal</p> <p>- Times Cited Scopus: 3 - Times Cited Google Scholar: 1</p>
16	<p>Lopes, A. L. & Botelho, L. (2007). Task Decomposition and Delegation Algorithms for Coordinating Unstructured Multi Agent Systems. In <i>International Conference on Complex, Intelligent and Software Intensive Systems</i>. (pp. 209-214). Viena</p> <p>- Times Cited Web of Science®: 2 - Times Cited Scopus: 5 - Times Cited Google Scholar: 14</p>
17	<p>Bergenti, F., Cáceres, C., Fernández, A., Frolich, N., Helin, H., Keller, O....Schumacher, M. (2006). Context-aware Service Coordination for Mobile e-Health Applications. In <i>Lecture Notes in Informatics: First European Conference on EHealth</i>. Fribourg: GI-Edition.</p> <p>- Times Cited Scopus: 5 - Times Cited Google Scholar: 11</p>

18	Lopes, A. L., Costa, P., Bergenti, F., Klusch, M., Blankenburg, B., Möller, T....Schuldt, H. (2006). Context-aware Secure Service Composition Planning and Execution on E-Health Environments. In Lecture Notes on Informatics: First European Conference on EHealth. Fribourg: GI-Edition. - Times Cited Scopus: 4 - Times Cited Google Scholar: 6
19	Gonçalves, B., Esteves, S., Lopes, A. L. & Botelho, L. (2006). Cognitive Agents Based Simulation for Decisions Regarding Human Team Composition. In International Joint Conference on Autonomous Agents and Multi Agent Systems. (pp. 65-72). Hakodate - Times Cited Scopus: 2 - Times Cited Google Scholar: 11
20	Helin, H., Klusch, M., Lopes, A. L., Fernández, A., Schumacher, M., Schuldt, H....Kinnunen, A. (2005). Context-aware Business Application Service Co-ordination in Mobile Computing Environments. In AAMAS Workshop on Ambient intelligence - Agents for Ubiquitous Environments. Utrecht - Times Cited Google Scholar: 18
21	Lopes, A. L. & Botelho, L. (2005). Agent Technology for Context-aware Execution of Semantic Web Services. In First UK Young Researchers Workshop on Service Oriented Computing. Leicester
22	Lopes, A. L., Esteves, S., Gonçalves, B. & Botelho, L. (2005). BAT: Brainstorm Assistance Tool. In Mobile Computing meets Knowledge Management Workshop. Praga - Times Cited Google Scholar: 1
23	Lopes, A. L. & Botelho, L. (2005). SEA: a Semantic Web Services Context-aware Execution Agent. In AAAI Fall Symposium on Agents and the Semantic Web. Arlington - Times Cited Scopus: 8 - Times Cited Google Scholar: 13
24	Mota, L., Botelho, L., Mendes, H. & Lopes, A. (2003). O3F: An object oriented ontology framework. In Rosenschein, J. S., Wooldridge, M., Sandholm, T., and Yokoo, M. (Ed.), AAMAS '03: Proceedings of the second international joint conference on Autonomous agents and multiagent systems. (pp. 639-646). Melbourne Australia: Association for Computing Machinery. - Times Cited Scopus: 6 - Times Cited Google Scholar: 18
25	Lopes, A. L., Gaio, S. & Botelho, L. (2002). From DAML-S to executable code. In AAMAS Workshop AgentCities - Challenges in Open Agent Systems. Bolonha - Times Cited Google Scholar: 11
26	Lopes, A., Gaio, S. & Botelho, L. (2002). Personal access to a worldwide agent network. In Gini, M., Ishida, T., Castelfranchi, C., and Johnson, W. L. (Ed.), AAMAS '02: Proceedings of the first international joint conference on Autonomous agents and multiagent systems. (pp. 587-588). Bolonha: Association for Computing Machinery. - Times Cited Google Scholar: 3

- Talk

1	Lopes, A. L. (2026). Literacia e inovação pedagógica na era da IA generativa. XIV Congresso Iberoamericano de Docencia Universitaria.
2	Mauritti, R, Lopes, A. L., Pintassilgo, S. & Roque Ferreira, M. (2026). Mobilizar a comunidade académica para a equidade e o sucesso: a governação para um ensino superior inclusivo em Portugal. XIV Congresso Iberoamericano de Docencia Universitaria.

3	Lopes, A. L., Boavida, C. P., Cunha, C., Oliveira, J., Príncipe, Pedro & Vieira, André (2026). Helpdesk on Research Data Management: AI-based Chatbot for FAIR Research Data in Portugal. 20th International Digital Curation Conference (IDCC26).
4	Lopes, A. L. (2026). Artificial Intelligence (AI): The Present and Future of Neuroscience. 37º Encontro Nacional de Epileptologia.
5	Lopes, A. L. (2025). IA Generativa para Negócios. Conferência da Associação Portuguesa de Sistemas de Informação.
6	Lopes, A. L. (2025). Generative AI in Education: Challenges and Opportunities. 2nd International Conference on Education Research.
7	Lopes, A. L. (2025). Generative Artificial Intelligence In Research: Challenges and Opportunities. SEDES 2025 Doctoral Symposium .
8	Lopes, A. L., Mauritti, R, Martins, SC, Pintassilgo, S., undefined & José, S. (2024). Digital Tools for the Prevention of Dropout and Academic Failure: A Case Study of a Portuguese University. EDULEARN 2024.
9	Lopes, A. L. (2024). Artificial Intelligence and Epilepsy: State of the Art and Future Challenges. 36º Encontro Nacional de Epileptologia.
10	Lopes, A. L., Roseta-Palma, C. & Simaens, A. (2023). A machine learning approach for a CRIS research outputs' SDG classifications. euroCRIS Strategic Membership Meeting.
11	Lopes, A. L., Roseta-Palma, C. & Simaens, A. (2023). The Sustainable Development Goals in higher education: a machine-learning approach. 10th Responsible Management Education Research Conference.
12	Rodrigues, D., Lopes, A. L. & Batista, F. (2023). Web of Science Citation Gaps: An Automatic Approach to Detect Indexed but Missing Citations. Symposium on Languages, Applications and Technologies.
13	Lopes, A. L. (2023). Inteligência Artificial na Medicina: Desafios e Oportunidades. Simpósio Inteligência Artificial - Reunião Primavera da SPDV.
14	Lopes, A. L., Roseta-Palma, C. & Simaens, A. (2023). Os Objetivos do Desenvolvimento Sustentável no ensino superior: uma abordagem de machine-learning. 5ª Conferência Campus Sustentável.
15	Inácio, A., Lopes, A. L., Cunha, C., Boavida, C. P. & Segurado, T. (2023). Fluxo de depósito de dados de investigação no Iscte: estratégias adotadas. 10.º Fórum GDI.
16	Lopes, A. L. & Amaral, B. (2022). A Machine Learning Approach For Mapping And Accelerating Multiple Sclerosis Research. International Conference on Health and Social Care Information Systems and Technologies.
17	Lopes, A. L., Almeida, F. & Figueiredo, V. (2019). Online-learning at ISCTE-IUL: towards a sustainable education paradigm. Global forum Intelectual Capital 2019.
18	Lopes, A. L. (2018). Integrating a local CRIS with the PT-CRIS synchronisation ecosystem. CRIS2018: 14th International Conference on Current Research Information Systems.
19	Lopes, A. L. (2017). Integração do mecanismo de sincronização PTCRISync com o CRIS do ISCTE-IUL. 8ª Conferência Luso-Brasileira de Acesso Aberto.

20	Resende, R., Luís Coroado, Lopes, A. L., Rodrigo Sacadura, Maria Helena Teixeira, Eloy, S....Dias, J. (2016). Plataforma Web-BIM para Gestão de Instalações de um Campus Universitário. 1º Congresso Português de Building Information Modelling. 1 - Times Cited Google Scholar: 8
21	Lopes, A. L. (2015). Ciência-IUL: o CRIS do ISCTE-Instituto Universitário de Lisboa. Jornadas FCCN 2015.
22	Pinto, M. & Lopes, A. L. (2012). ACode: Web-based System for Automatic Evaluation of Java Code. INFORUM 2012. 0-0
23	Lopes, A. L. & Botelho, L. (2010). Coordination in Open and Unstructured Intelligent Agent Societies: Using Distributed Planners on Top of a Semantic Overlay Network. ICAART 2010.
24	Lopes, A. L. & Botelho, L. (2008). Efficient algorithms for agent-based semantic resource discovery. Agents and Peer-to-Peer Computing.
25	Lopes, A. L. & Botelho, L. (2007). A Context-aware Semantic Web Service Execution Agent. 9th International Conference on Enterprise Information Systems.
26	Lopes, A. L. & Botelho, L. (2007). Executing Semantic Web Services with a Context-aware Service Execution Agent. Service-Oriented Computing: Agents, Semantics, and Engineering. 4504, 1-15
27	Lopes, A. L. & Botelho, L. (2007). Task Decomposition and Delegation Algorithms for Coordinating Unstructured Multi Agent Systems. International Conference on Complex, Intelligent and Software Intensive Systems. 209-214
28	Lopes, A. L. & Botelho, L. (2005). Chomsky: a Content Language Translation Agent. Multi-Agent Systems and Applications. 3690, 535-538
29	Lopes, A. L. & Botelho, L. (2005). Agent Technology for Context-aware Execution of Semantic Web Services. First UK Young Researchers Workshop on Service Oriented Computing.
30	Lopes, A. L., Esteves, S., Gonçalves, B. & Botelho, L. (2005). BAT: Brainstorm Assistance Tool. Mobile Computing meets Knowledge Management Workshop.
31	Lopes, A. L. & Botelho, L. (2005). SEA: a Semantic Web Services Context-aware Execution Agent. AAAI Fall Symposium on Agents and the Semantic Web.
32	Lopes, A. L., Gaio, S. & Botelho, L. (2002). From DAML-S to Executable Code. AAMAS Workshop AgentCities - Challenges in Open Agent Systems.
33	Lopes, A. L., Gaio, S. & Botelho, L. (2002). Personal Access to a WorldWide Agent Network. 1st joint conference on Autonomous Agents and Multi-Agent Systems.

• Other Publications

- Non-peer-reviewed papers

1	Lopes, A. L. (2017). Integração do mecanismo de sincronização PTCRISync com o CRIS do ISCTE-IUL. Revista Eletrônica de Comunicação, Informação e Inovação em Saúde. 11 (sup) - Times Cited Google Scholar: 4
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- Other publications

1	Inácio, A., Lopes, A. L., Cunha, C., Boavida, C. P. & Segurado, T. (2023). Fluxo do depósito de dados de investigação no Iscte: estratégia, infraestrutura e formação. BiblioCanto. 9 (2)
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- Doctoral Thesis

1	Lopes, A. L. (2011). Distributed Coordination in Unstructured Intelligent Agent Societies.
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Research Projects			
Project Title	Role in Project	Partners	Period
Breaking Inequalities in Digital Education	Researcher	ISTAR-Iscte (IS) - Leader	2025 - 2027
Centro de Gestão de Dados de Investigação para as Ciências Sociais e Humanas	Principal Researcher	Iscte-CI - Leader	2025
Research Data Management Network	Work Package Leader	Iscte, UMinho - Leader (Portugal), UC - (Portugal), UNL - (Portugal), IPB - (Portugal)	2025
BeWell-Iscte	Researcher	CIS-Iscte (H4A), CIES-Iscte, BRU-Iscte (OB&HR), ISTAR-Iscte (DLS)	2024 - 2026
IN_Iscte – espaço para crescer	Co-Principal Researcher	CIES-Iscte	2024 - 2026
Espaço para crescer	Researcher	CIES-Iscte	2023 - 2024
Task Decomposition And Delegation Algorithms For Coordinating Agent Cooperation In Unstructured Open Agent Societies	Researcher	ADETTI-IUL, IT-Iscte	2009 - 2010
Testbed for Worldwide Agent Network: Research and Development	Researcher	ADETTI-IUL	2001 - 2003
Multimedia object descriptors extraction from surveillance tapes	Researcher	ADETTI-IUL	2000 - 2001

Academic Management Positions

Director (2025)
Unit/Area: Specialization Seminar in Generative Artificial Intelligence Use in Teaching and Research

Director (2024 - 2027)
Unit/Area: Development of Information Systems Services

Coordenador (2024)
Unit/Area: Information Systems Development Office

Coordenador (2021 - 2024)
Unit/Area: Information Systems Development Office

Coordenador (2018 - 2021)
Unit/Area: Information Systems Development Office

Coordenador (2015 - 2018)
Unit/Area: Information Systems Development Office

Professional Associations

APPIA - Associação Portuguesa Para a Inteligência Artificial (Since 2025)

Internet Society (Since 2021)

Portuguese Chapter of the Association for Information Systems (Since 2019)

CIONET Portugal (Since 2018)

Organization/Coordination of Events

Type of Organization/Coordination	Event Title	Organizer	Year
Member of scientific event committee	IEEE Global Engineering Education Conference (EDUCON)	IEEE Education Society	Since 2025
Member of scientific event committee	International Conference on Autonomous Agents and Multiagent Systems	IFAAMAS	Since 2025
Member of scientific event committee	International Conference on Intelligent Technologies and Applications	NextSeer Foundation	Since 2025
Member of scientific event committee	International Conference on Engineering Software for the Modern Challenges	NextSeer Foundation	Since 2025
Member of scientific event's organizing committee	CRIS 2026	EuroCRIS	2025 - 2026
Member of scientific event committee	International Conference on Current Research Information Systems	EuroCRIS	Since 2025
Member of scientific event committee	Mediterranean Conference on Information Systems	APSI	Since 2024
Member of scientific event committee	International Conference on Health and Social Care Information Systems and Technologies	SciKA	Since 2023

Member of scientific event committee	Conference of the Portuguese Association for Information Systems	APSI	Since 2021
Member of scientific event committee	Lusophone Conference on Open Science	RCAAP	Since 2021
Member of scientific event committee	Portuguese-Brazilian Conference on Open Science	RCAAP	2020 - 2021
Member of scientific event committee	International Conference on Intelligent Technologies and Applications		2018 - 2020
Member of scientific event committee	Portuguese-Brazilian Conference on Open Access	RCAAP	2018 - 2019
Member of scientific event committee	Conftele 2015	Instituto de Telecomunicações	2015
Member of non-scientific event's organizing committee	Google Dev Fest Portugal 2013	ISCTE-IUL IEEE Student Branch	2013
Member of free course/summer school's organizing committee	Sustainable Technologies and Transdisciplinary Futures: From Collaborative Design to Digital Fabrication	ISCTE-IUL - VFabLab	2013
Member of scientific event committee	International Conference on Agents and Artificial Intelligence	INSTICC	Since 2013

Diffusion Activities

Activity Type	Event Title	Activity Description	Year
Talk/Conference in public diffusion event	Conference of the General Inspectorate of Finance on Artificial Intelligence	Talk: Ethical Risks and Challenges of Artificial Intelligence	2026
Talk/Conference in public diffusion event	Escola Universitária Vasco da Gama	Talk "Generative AI in Teaching and Research"	2026
Talk/Conference in public diffusion event	LIA and RDMC-SSH training sessions	Masterclass Generative Artificial Intelligence in Research	2026
Talk/Conference in public diffusion event	Forum on Best Practices in Higher Education	Testimonial of good practices on the Academic Work with AI course unit.	2026
Talk/Conference in public diffusion event	Reflection Forum on Generative Artificial Intelligence in Teaching and Assessment	Participation in Round Table	2026
Talk/Conference in public diffusion event	International Day of the Guide-Interpreter	Generative AI: Digital Guide-Interpreter - Amplifying mastery without losing the human voice	2026
Talk/Conference in public diffusion event	MasterClass in the context of the RDMC-SSH project	MasterClass Generative Artificial Intelligence in Research	2025
Talk/Conference in public diffusion event	Re.Data Lunch Webinars	Data Management in the Age of GenAI	2025
Talk/Conference in public diffusion event	CS/11 Conference Artificial Intelligence in education and training institutions: risks and opportunities	Use of Generative Artificial Intelligence in Higher Education	2025

Talk/Conference in public diffusion event	ISSSL doctoral conference - Lusíada University	The impact of Artificial Intelligence on society: risks and opportunities.	2025
Talk/Conference in public diffusion event	Webinar PhD Iscte	Using Generative Artificial Intelligence in Academic Work	2025
Talk/Conference in public diffusion event	6th Higher Education Libraries Meeting	Thematic panel - Artificial Intelligence in Higher Education Libraries' Practices	2025
Coordination of knowledge diffusion event	Cycle of Conversations on AI (Alcântara Library)	Artificial Intelligence & Accessibility	2025
Talk/Conference in public diffusion event	Jornadas Pedagógicas do Agrupamento de Escolas de Fafe	As Oportunidades e os Desafios do Uso da Inteligência Artificial Generativa no Ensino	2025
Talk/Conference in public diffusion event	Open Science Week Iscte	Webinar "Challenges and opportunities of using generative AI in academic research"	2025
Talk/Conference in public diffusion event	XV Meeting of the Quality Researchers Network	Round Table participation: "Artificial intelligence in research: implications for quality management"	2025
Talk/Conference in public diffusion event	Innovating in Academia - INOV3P - Challenges in Higher Education	Participation in the panel "Generative Artificial Intelligence and Pedagogical Innovation"	2025
Talk/Conference in public diffusion event	Seminar "Artificial Intelligence in Higher Education"	Closing Session	2025
Talk/Conference in public diffusion event	Bootcamp Cruzamento	Artificial Intelligence: Strategic Impact for the Health Ecosystem	2024
Talk/Conference in public diffusion event	Better Science Forum (FMUL)	Generative Artificial Intelligence in Research: how to have a research assistant who is always ready to collaborate?	2024
Talk/Conference in public diffusion event	ANACOM Workshop for ARCTEL about Artificial Intelligence	Keynote Speaker: Artificial Intelligence and its impact on society	2024
Talk/Conference in public diffusion event	Podcast Cruzamento	Artificial Intelligence, from Theory to Practice in Healthcare	2024
Talk/Conference in public diffusion event	Webinar ISLA Santarém	Generative Artificial Intelligence in Research: how to have a research assistant who is always ready to collaborate?	2024
Talk/Conference in public diffusion event	EuroCRIS Strategic Membership Meeting 2024	The AI4CRIS working group: Leveraging Artificial Intelligence to Enhance Research Information	2024
Talk/Conference in public diffusion event	Palestra FCCN	Increasing Productivity with Generative AI: Challenges and Opportunities	2024

Talk/Conference in public diffusion event	Aula Aberta Instituto Superior de Gestão	Artificial Intelligence and its Impact on Society	2024
Talk/Conference in public diffusion event	MasterClass Laboratório para a Inovação na Academia	Generative Artificial Intelligence in Research: how to have a research assistant who is always ready to collaborate?	2024
Talk/Conference in public diffusion event	EuroCRIS CRISCROS Working Group Meeting	SDGs and the use of Machine Learning for classifying research outputs	2024
Talk/Conference in public diffusion event	Palestra Instituto Ciências Sociais	Generative Artificial Intelligence in Research: how to have a research assistant who is always ready to collaborate?	2024
Talk/Conference in public diffusion event	Seminário Desenho de Pesquisa - Iscte	The Use of Generative Artificial Intelligence in Academic Work	2024
Talk/Conference in public diffusion event	MasterClass Iscte Executive Education	Artificial Intelligence in Healthcare: Challenges and Opportunities	2023
Talk/Conference in public diffusion event	Jornadas FCCN 2022	Integração PTCRIS: CienciaVitae - Ciencia-IUL	2022
Talk/Conference in public diffusion event	Podcast Cruzamento	Artificial Intelligence and Robots in Healthcare	2022
Talk/Conference in public diffusion event	Jornadas FCCN 2021	PTCRIS Integration: CienciaVitae - Ciencia-IUL	2021
Talk/Conference in public diffusion event	Jornadas FCCN 2019	CRIS Integration Scenarios	2019
Talk/Conference in public diffusion event	Jornadas FCCN 2018	PTCRIS Integrations: Ciência-IUL	2018
Talk/Conference in public diffusion event	FCCN BI Talks	Implementation of the BI system at ISCTE-IUL: objectives, successes and challenges	2015