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André Glória

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Contacts

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Curriculum

André Glória received the B.S. and M.S. degrees in telecommunication and computer engineering from ISCTE – Instituto Universitário de Lisboa, in 2015 and 2017, respectively, and his Ph.D. degree in information science and technology, with a specialty in Internet of Things and Machine Learning, at the same university in 2021. From 2016, he is an Invited Assistant in the field of Innovation and Entrepreneurship, Software Development and Artificial Intelligence in the Information, Science and Technology department in ISCTE-IUL, where is also a Researcher on Internet of Things, Machine Learning, Wireless Sensor Network, Wireless Communications, Sustainability and Green Tech, with more than 20 published papers in International Journals and Conferences and the supervision of 10 Master ThesisBesides the academic work, he is also active in the industry, being the co-founder and CTO of a Portuguese startup in the field of sustainable irrigation systems since 2017 and the Head of IoT Innovation for the Portuguese market at Phillip Morris International since 2022.

Research Interests

- Internet of Things
- Inteligencia Artificial
- Smart Cities
- Machine Learning
- Hardware

Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitario de Lisboa	PhD	CIencias e Tecnologias da Informação	2021
ISCTE-IUL	M.Sc.	Engenharia Telecomunicações e Informatica	2017
ISCTE - IUL	Licenciate	Engenharia de Telecomunicações e Informática	2016

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.
2025/2026	2º	Development of Technology-Based Project	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Science and Business Management;	No
2025/2026	2º	Entrepreneurship and Innovation II		No
2025/2026	2º	Entrepreneurship and Innovation II		No
2025/2026	2º	Entrepreneurship and Innovation II		No
2025/2026	2º	Entrepreneurship and Innovation II		No
2025/2026	2º	Entrepreneurship and Innovation II	Bachelor Degree in Digital Technologies and Management;	No
2025/2026	2º	Entrepreneurship and Innovation IV		Yes
2025/2026	1º	Conception and Viability of Technology-Based Project	Bachelor Degree in Computer Science and Business Management;	No
2025/2026	1º	Entrepreneurship and Innovation III	Bachelor Degree in Digital Technologies and Management;	Yes
2024/2025	2º	Development of Technology-Based Project	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Science and Business Management;	No
2024/2025	2º	Entrepreneurship and Innovation II		No
2024/2025	2º	Entrepreneurship and Innovation II		No
2024/2025	2º	Entrepreneurship and Innovation II	Bachelor Degree in Digital Technologies and Automation;	No
2024/2025	2º	Entrepreneurship and Innovation II		No

2024/2025	2º	Entrepreneurship and Innovation II	Bachelor Degree in Digital Technologies and Artificial Intelligence;	No
2024/2025	2º	Entrepreneurship and Innovation IV		No
2024/2025	1º	Conception and Viability of Technology-Based Project	Bachelor Degree in Computer Science and Business Management;	No
2024/2025	1º	Entrepreneurship and Innovation I		No
2024/2025	1º	Entrepreneurship and Innovation I		No
2024/2025	1º	Entrepreneurship and Innovation I		No
2024/2025	1º	Entrepreneurship and Innovation I		No
2024/2025	1º	Entrepreneurship and Innovation I	Bachelor Degree in Digital Technologies and Health;	No
2024/2025	1º	Entrepreneurship and Innovation III	Bachelor Degree in Digital Technologies and Management;	No
2023/2024	2º	Development of Technology-Based Project	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Science and Business Management;	No
2023/2024	2º	Entrepreneurship and Innovation II		No
2023/2024	2º	Entrepreneurship and Innovation II		No
2023/2024	2º	Entrepreneurship and Innovation II		No
2023/2024	2º	Entrepreneurship and Innovation II	Bachelor Degree in Digital Technologies and Health;	No
2023/2024	2º	Entrepreneurship and Innovation II		No
2023/2024	1º	Conception and Viability of Technology-Based Project	Bachelor Degree in Computer Science and Business Management;	No
2023/2024	1º	Entrepreneurship and Innovation I		No
2023/2024	1º	Entrepreneurship and Innovation I		No
2023/2024	1º	Entrepreneurship and Innovation I		No
2023/2024	1º	Entrepreneurship and Innovation I		No
2023/2024	1º	Entrepreneurship and Innovation I	Bachelor Degree in Digital Technologies and Management;	No
2023/2024	1º	Object Oriented Programming	Bachelor Degree in Computer Engineering (PL);	No

2022/2023	2º	Development of Technology-Based Project	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Science and Business Management;	No
2022/2023	2º	Project in Digital Technologies I		No
2022/2023	2º	Project in Digital Technologies I		No
2022/2023	2º	Project in Digital Technologies I		No
2022/2023	2º	Project in Digital Technologies I		No
2022/2023	1º	Conception and Viability of Technology-Based Project	Bachelor Degree in Computer Science and Business Management;	No
2021/2022	2º	Development of Technology-Based Project	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Science and Business Management;	No
2021/2022	1º	Conception and Viability of Technology-Based Project	Bachelor Degree in Computer Science and Business Management (PL);	No
2020/2021	2º	Development of Technology-Based Project	Bachelor Degree in Computer Science and Business Management;	No
2020/2021	1º	Conception and Viability of Technology-Based Project	Bachelor Degree in Computer Science and Business Management;	No
2016/2017	1º	Artificial Intelligence	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2016/2017	1º	Artificial Intelligence	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2016/2017	1º	Artificial Intelligence	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2016/2017	1º	Artificial Intelligence	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2015/2016	1º	Artificial Intelligence		No

Supervisions

• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Alexandre Mamede Martins Rodrigues	Virtual Drive Test – Development of Geolocation Methods Based on Signal Measurements for Cellular Networks	--	Developing	Iscte
2	Maria Ivanel	Current Innovations of Wearable UV Sensor Devices for Skin Cancer Prevention: A Scoping Review	--	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Beatriz Carolina Duque Dias	Heterogeneous Communication Scheme for IoT Smart Nodes	English	Iscte	2021
2	Francisco José dos Santos Negrier Raimundo	Improve Irrigation Sustainability using Machine Learning	Portuguese	Iscte	2021
3	Maria Inês Soares de Matos dos Santos Pires	Intelligent rainwater reuse system for irrigation	English	Iscte	2020
4	João Miguel de Jesus Alves Coelho	Machine Learning for precise water leaks detection	English	Iscte	2020
5	João Miguel Botas Cardoso	SmartFarm: Improve Sustainability using Wireless Sensor Networks	English	Iscte	2020

Total Citations

Web of Science®	218
Scopus	383

Publications

• Scientific Journals

- Scientific journal paper

1	Glória, A. & Sebastião, P. (2021). Autonomous configuration of communication systems for IoT smart nodes supported by machine learning. IEEE Access. 9, 75021-75034

	- Times Cited Web of Science®: 8 - Times Cited Scopus: 11 - Times Cited Google Scholar: 12
2	Glória, A., Cardoso, J. & Sebastião, P. (2021). Sustainable irrigation system for farming supported by machine learning and real-time sensor data. Sensors. 21 (9) - Times Cited Web of Science®: 43 - Times Cited Scopus: 57 - Times Cited Google Scholar: 63
3	Coelho, J. A., Glória, A. & Sebastião, P. (2020). Precise water leak detection using machine learning and real-time sensor data. IoT. 1 (2), 474-493 - Times Cited Web of Science®: 41 - Times Cited Scopus: 58 - Times Cited Google Scholar: 70
4	Glória, A., Dionisio, C., Simões, G., Cardoso, J. & Sebastião, P. (2020). Water management for sustainable irrigation systems using Internet-of-Things. Sensors. 20 (5) - Times Cited Web of Science®: 40 - Times Cited Scopus: 55 - Times Cited Google Scholar: 84

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Peixoto, A., Glória, A., Silva, J. L., Pinto-Albuquerque, M., Brandão, T. & Nunes, L. (2024). Use of programming aids in undergraduate courses. In Santos A.L., Pinto-Albuquerque M. (Ed.), 5th International Computer Programming Education Conference (ICPEC 2024). (pp. 20:1-20:9). Lisboa: Schloss Dagstuhl – Leibniz-Zentrum für Informatik.
2	Dias, B., Glória, A. & Sebastião, P. (2021). Prediction of link quality for IoT cloud communications supported by machine learning. In Paul R. (Ed.), 2021 IEEE World AI IoT Congress (AIIoT) . (pp. 150-154). Seattle, WA, USA: IEEE. - Times Cited Web of Science®: 1 - Times Cited Scopus: 1 - Times Cited Google Scholar: 2
3	Raimundo, F., Glória, A. & Sebastião, P. (2021). Prediction of weather forecast for smart agriculture supported by machine learning. In Paul R. (Ed.), 2021 IEEE World AI IoT Congress (AIIoT). (pp. 160-164). Seattle, WA, USA: IEEE. - Times Cited Web of Science®: 11 - Times Cited Scopus: 18 - Times Cited Google Scholar: 18
4	Cardoso, J., Glória, A. & Sebastião, P. (2020). Improve irrigation timing decision for agriculture using real time data and machine learning. In 2020 International Conference on Data Analytics for Business and Industry: Way Towards a Sustainable Economy (ICDABI). Sakheer, Bahrain: IEEE. - Times Cited Scopus: 28 - Times Cited Google Scholar: 33
5	Cardoso, J., Glória, A. & Sebastião, P. (2020). A methodology for sustainable farming irrigation using WSN, NB-IoT and machine learning. In 2020 5th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM). Corfu: IEEE. - Times Cited Scopus: 10 - Times Cited Google Scholar: 11

6	Glória, A., João Cardoso & Sebastião, P. (2020). Improve energy efficiency of irrigation systems using smartgrid and random forest. In 2020 5th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM). Corfu: IEEE. - Times Cited Scopus: 4
7	Dionísio, C., Simões, G., Glória, A., Sebastião, P. & Souto, N. (2019). Distributed sensing solution for home efficiency tracking. In 2019 IEEE 5th World Forum on Internet of Things (WF-IoT). (pp. 825-828). Limerick, Ireland: IEEE. - Times Cited Web of Science®: 1 - Times Cited Scopus: 2 - Times Cited Google Scholar: 4
8	Gonçalo Simões, Dionísio, C., Glória, A., Sebastião, P. & Souto, N. (2019). Smart system for monitoring and control of swimming pools. In 2019 IEEE 5th World Forum on Internet of Things (WF-IoT). (pp. 829-832). Limerick, Ireland: IEEE. - Times Cited Web of Science®: 7 - Times Cited Scopus: 21 - Times Cited Google Scholar: 24
9	Glória, A., Dionísio, C., Simões, G., Sebastião, P. & Souto, N. (2019). WSN application for sustainable water management in irrigation systems. In 2019 IEEE 5th World Forum on Internet of Things (WF-IoT). (pp. 833-836). Limerick, Ireland: IEEE. - Times Cited Web of Science®: 11 - Times Cited Scopus: 15 - Times Cited Google Scholar: 23
10	Glória, A., Dionisio, C., Simões, G. & Sebastião, P. (2019). LoRa transmission power self configuration for low power end devices. In 2019 22nd International Symposium on Wireless Personal Multimedia Communications (WPMC). Lisbon, Portugal: IEEE. - Times Cited Web of Science®: 6 - Times Cited Scopus: 9 - Times Cited Google Scholar: 15
11	Glória, A. & Sebastião, P. (2019). Temperature distribution analyses with wireless sensor networks and machine learning. In 2019 International Conference on Sensing and Instrumentation in IoT Era (ISSI). Lisbon, Portugal: IEEE. - Times Cited Scopus: 1 - Times Cited Google Scholar: 2
12	Glória, A., Cercas, F. & Souto, N. (2017). Comparison of communication protocols for low cost Internet of Things devices. In South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNSM 2017. Kastoria: IEEE. - Times Cited Scopus: 37 - Times Cited Google Scholar: 78
13	Glória, A., Cercas, F. & Souto, N. (2017). Design and implementation of an IoT gateway to create smart environments. In Procedia Computer Science (Ed.), Procedia Computer Science. (pp. 568-575).: Elsevier. - Times Cited Web of Science®: 49 - Times Cited Scopus: 56 - Times Cited Google Scholar: 108

• Other Publications

- Master's Dissertation

1	Glória, A. (2017). The use of Sensor Networks to create smart environments.

Academic Management Positions

Coordenador do 2º Ano (2025 - 2026)
Unit/Area: Bachelor Degree in Software and Applications Development

Organization/Coordination of Events

Type of Organization/Coordination	Event Title	Organizer	Year
Member of scientific event committee	The 22rd International Symposium on Wireless Personal Multimedia Communications (WPMC'19)	ISCTE-IUL	2019
Member of scientific event's organizing committee	2nd International Symposium on Sensors and Instrumentation in IoT Era (ISSI'19)	ISCTE-IUL	2019
Coordination of non-scientific event	FISTA'19	ISCTE-IUL	2019
Coordination of non-scientific event	FISTA'18	ISCTE-IUL	2018
Coordination of non-scientific event	FISTA'17	ISCTE-IUL	2017
Member of non-scientific event's organizing committee	FISTA'16	ISCTE-IUL	2016