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Tomás Santos

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Curriculum

Tomás Mestre Santos graduated from the Iscte – Instituto Universitário de Lisboa in 2021 with a degree in Telecommunications and Computer Engineering. He obtained his M.Sc. in Telecommunications and Computer Engineering, also in Iscte – Instituto Universitário de Lisboa, in October 2023, with a research scholarship and merit recognized by the President of the Order of Engineers.

Regarding his research, integrated in the Centro de Investigação em Ciências da Informação, Tecnologias e Arquitetura and Instituto de Telecomunicações, his main areas of research are crowd monitoring, smart tourism, and sensors, areas he addressed in his master's thesis, and has participated in a European research project in the scope of smart tourism and digital transformation.

He has also carried out teaching activities, having taught a curricular unit at Iscte as a guest assistant professor.

Research Interests

Crowd Monitoring
Sensors
Internet of Things
Edge Computing
Smart Cities

Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitario de Lisboa	PhD	Ciências e Tecnologias da Informação	2026
ISCTE-Instituto Universitario de Lisboa	M.Sc.	Engenharia de Telecomunicações e Informática	2023
ISCTE-Instituto Universitario de Lisboa	Licenciante	Engenharia de Telecomunicações e Informática	2021

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.
2023/2024	1º	Fundamentals of Computer Architecture	Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2023/2024	1º	Fundamentals of Computer Architecture	Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No

Total Citations

Web of Science®	0
Scopus	12

Publications

• Books and Book Chapters

- Book chapter

1	<p>Santos, T., Marinheiro, R. N. & Brito e Abreu, F. (2025). Wireless crowd detection for smart overtourism mitigation. In Elena Kornysheva, Rébecca Deneckère, Sjaak Brinkkemper (Ed.), Smart life and smart life engineering: Current state and future vision. (pp. 237-258). Cham, Switzerland: Springer Nature.</p> <p>- Times Cited Scopus: 8 - Times Cited Google Scholar: 15</p>
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• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Brito e Abreu, F., Marinheiro, R. N., oliveira(jpnoa1), J. & Mestre Santos, T. (2025). Quality-Driven Edge-to-Cloud Architecture for Crowd Monitoring with Wi-Fi Sensing. In Houbing Herbert Song, Hirozumi Yamaguchi, Hung-Yu Wei and Pietro Manzoni (Ed.), IEEE Annual Congress on Artificial Intelligence of Things (AIoT 2025). (pp. 881-887). Osaka, Japão: IEEE Computer Society.
2	Brito e Abreu, F., Marinheiro, R. N., Boavida-Portugal, I., Lopes, A., Santos, T., Sampaio de Almeida, D...Simões, R. (2024). A digital transformation approach to scaffold tourism crowding management: Pre-factum, on-factum, and post-factum. In Proceedings - 2024 Joint International Conference on Digital Arts, Media and Technology with ECTI Northern Section Conference on Electrical, Electronics, Computer and Telecommunications Engineering, ECTI DAMT and NCON 2024. (pp. 586-591). Chiang-mai, Thailand: IEEE. - Times Cited Scopus: 4 - Times Cited Google Scholar: 6

- Talk

1	Mestre Santos, T., Marinheiro, R. N., Brito e Abreu, F. & vieira, T. (2024). Tourism crowd monitoring system. RESETTing Final Conference.
2	Marinheiro, R. N., Mestre Santos, T. & Brito e Abreu, F. (2023). STToolkit for Crowding Monitoring Solutions. RESETTing 2nd General Assembly.
3	Mestre Santos, T., Marinheiro, R. N. & Brito e Abreu, F. (2023). Ongoing work on Task 3.3: STToolkit for a crowding monitoring solution. RESETTing 3rd General Assembly.
4	Mestre Santos, T., Marinheiro, R. N. & Brito e Abreu, F. (2023). Wireless Sensor for Tourism Overcrowding. International Posters & Demos Workshop on Smart Tourism.
5	Mestre Santos, T., Marinheiro, R. N. & Brito e Abreu, F. (2023). Making Tourists Experience Smarter by Mitigating Overtourism. Third International Workshop on Information Systems Engineering for Smarter Life (ISESL23).

• Other Publications

- Master's Dissertation

1	Mestre Santos, T. (2023). Smart Tourism Toolkit for Crowd-monitoring Solutions. 1-100 - Times Cited Google Scholar: 5
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- Report

1	Mestre Santos, T., Marinheiro, R. N. & Brito e Abreu, F. (2023). Toolkit for implementing tourism crowd detection solutions.
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