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Luís de Oliveira Monteiro dos Santos Dias

Technical Staff

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Contacts

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Curriculum

Degree in Chemical Engineering from Instituto Superior Técnico and a postgraduate degree in Sanitary Engineering from the Faculty of Science and Technology of Universidade Nova.

Was a member of Iscte's Adetti research center, where he participated in various national and European projects and supported the development of master's theses and doctoral dissertations. He also has professional experience in the telecommunications, banking and transportation sectors, in software development using C/C++ and C#.NET.

Was a research fellow at the ISTAR-Iscte research center, where he took part in the international OLA (Organizational Life Assistance) project in the field of Ambient Assisted Living to promote active ageing policies among the elderly population. He also took part in the project with the Military Academy Research Center, CINAMIL, on the development of a virtual and augmented reality tool for planning combat training in urban areas.

Currently, he is part of the ISTAR-Iscte Technical Staff, where gives support to the management of human resources and equipment.

Research Interests

3D object category recognition. Augmented reality.

Academic Qualifications

University/Institution	Type	Degree	Period
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Faculdade de Ciências e Tecnologia da Universidade Nova	Post-graduation	Engenharia Sanitária	1996
Instituto Superior Técnico	Licenciante	Engenharia Química	1991

Total Citations

Web of Science®	18
Scopus	20

Publications

• Scientific Journals

- Scientific journal paper

1	<p>Eloy, S., Andrade, M. A. P., Dias, L. & Dias, J. (2023). The impact of sound in people's behaviour in outdoor settings: A study using virtual reality and eye-tracking. <i>Applied Ergonomics</i>. 108</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 5 - Times Cited Scopus: 5 - Times Cited Google Scholar: 10
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- Review article

1	<p>Figueiredo, M., Eloy, S., Marques, S. & Dias, L. (2023). Older people perceptions on the built environment: A scoping review. <i>Applied Ergonomics</i>. 108</p> <ul style="list-style-type: none"> - Times Cited Web of Science®: 8 - Times Cited Scopus: 9 - Times Cited Google Scholar: 12
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• Books and Book Chapters

- Book chapter

1	<p>Gomes, J., Eloy, S., Silva, N., Resende, R. & Dias, L. (2021). A Quasi-real Virtual Reality Experience: Point Cloud Navigation. In Sara Eloy, Anette Kreuzberg, Ioanna Symeonidou (Ed.), <i>Virtual Aesthetics in Architecture Designing in Mixed Realities.</i>: Routledge.</p> <ul style="list-style-type: none"> - Times Cited Google Scholar: 2
2	<p>Eloy, S., Lopes, P. F., Silva Pedro, T., Ourique, Lázaro & Dias, L. (2018). Mobile apps for acting on the physical space for people inclusion. In <i>Mobile Applications and Solutions for Social Inclusion</i>.</p>

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	<p>Figueiredo, M., Eloy, S., Marques, S. & Dias, L. (2022). Built environment perceptions: How older people decode outdoor public spaces. In Mouro, C. (Ed.), <i>27th IAPS Conference: Global challenges, local impacts: Rethinking governance, sustainability and consumption in light of climate change: Book of abstracts</i>. Lisboa: Iscte-Instituto Universitário de Lisboa.</p>
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2	Eloy, S., Dias, L., Ourique, L. & Dias, M. S. (2019). Home mobility hazards detected via object recognition in augmented reality. In Sousa, JP, Henriques, GC and Xavier, JP (Ed.), eCAADe SIGraDI 2019: Architecture in the Age of the 4th Industrial Revolution. (pp. 415-422). Porto: ECAADe-EDUCATION & RESEARCH COMPUTER AIDED ARCHITECTURAL DESIGN EUROPE. - Times Cited Web of Science®: 2 - Times Cited Scopus: 4 - Times Cited Google Scholar: 5
3	Ramos, G., Nunes, P. J: T. S., Rouco, J. C., Domingues, M. A. R. C., Dias, M. S., Resende, J. R. P....Dias, L. S. (2018). Planeamento do treino de combate em ambiente urbano, utilizando realidade virtual e aumentada. In 3rd International Symposium on Command and Leadership.: CINAMIL. - Times Cited Google Scholar: 2
4	Dias, J., Coroado, L., Costa, T., d'Alpuim, J., Eloy, S. & Dias, L. (2015). VIARmodes: visualization and iinteraction in mmersive virtual reality for architectural design process . In Thomas Grasl, Bob Martens, Gabriel Wurzer (Ed.), ECAADe 2015: Proceedings of the 33rd International Conference on Education and Research in Computer Aided Architectural Design in Europe. (pp. 125-134). Vienna: CumInCAD . - Times Cited Google Scholar: 18
5	Beck, J., Daniela Braga, Nogueira, J., Dias, J., Luis Pinto Coelho, Daniela Braga...Luis Pinto Coelho (2009). Automatic syllabification for Danish text-to-speech systems. In Proceedings of Interspeech 2009. (pp. 1287-1290). -- - Times Cited Web of Science®: 1 - Times Cited Scopus: 2 - Times Cited Google Scholar: 2
6	Carvalho, H., Serra, A., Dias, L., Serrão, C. & Dias, M. (2007). Envisat products secure browsing in mobile clients using JPEG2000 interactivity protocol. In Lacoste, H., and Ouwehand, L. (Ed.), Proceedings of the Envisat Symposium 2007. Montreux: European Space Agency.
7	Serra, A., Dias, L., Serrão, C. & Dias, M. (2006). JPEG2000 image compression and visualization for desktop and mobile clients. In Shark, L.-K., Matuszewski, B. J., and Varley, M. R. (Ed.), Proceedings of the Atlantic Europe Conference on Remote Imaging and Spectroscopy. Preston, UK: Inderscience. - Times Cited Web of Science®: 2
8	Serra, A., Dias, L., Serrão, C., Dias, J. & Trezentos, P. (2004). Parallel JPEG2000 Encoding on a Beowulf Cluster. In Nuno Guimarães and Pedro Isaías (Ed.), Proc International Conference – Applied Computig 2004, IADIS 2004, Lisboa. Lisboa: IADIS.
9	Serra, A., Trezentos, P., Serrão, C., Dias, L. & Dias, J. (2003). Increasing the Performance of JPEG2000 Encoding through High-Performance Computing. In Mohamed Hamza (Ed.), Proc of Visualization, Imaging, and Image Processing (VIIP 2003), Benalmadena, Málaga. Benalmádena: Acta Press.
10	Freitas, C., Dias, J. & Dias, L. (2002). Simulating cloth free-form deformation with a beowulf cluster. In Dieter Kranzlmüller, Jens Volkert, Peter Kacsuk, Jack Dongarra (Ed.), EuroPVM/MPI 2002: Recent advances in parallel virtual machine and message passing interface, Proceedings. (pp. 96-104). Berlin, Heidelberg: Springer.

- Talk

1	Figueiredo, M., Eloy, S., Marques, S. & Dias, L. (2022). Built environment perceptions: how older people decode outdoor public spaces . International Association for People-Environment Studies conference, IAPS 2022.
2	Eloy, S., Dias, L., Ourique, Lázaro & Dias, J. (2019). Home Mobility Hazards Detected via Object Recognition in Augmented Reality. 37th eCAADe and 23rd SIGraDi Conference.

3	Dias, L., Serrão, C., Dias, J., Serra, A. & Dias, J. (2006). JPEG2000 Image Compression and Visualization for Desktop and Mobile Clients. Atlantic Europe Conference on Remote Imaging and Spectroscopy (AECRIS2006).
4	Dias, L., Serrão, C., Trezentos, P., Dias, J. & Serra, A. (2004). Parallel JPEG200 Encoding on a Beowulf Cluster. IADIS International Conference, Applied Computing.
5	Dias, L., Trezentos, P., Serrão, C., Dias, J. & Serra, A. (2003). Increasing the Performance of JPEG2000 Encoding Through High-Performance Computing. Visualization, Imaging , and Image Processing (VIIP 2003).
6	Dias, L., Dias, J. & Gamito, M. (2001). Algoritmo para a Representação do Volume Descrito por um Objecto em Movimento. 10º Encontro Português de Computação Gráfica.

Research Projects			
Project Title	Role in Project	Partners	Period
GreenCity4Aging: the effects of urban green streets on mobility, social integration and ageism against older people	Researcher	CIS-Iscte (H4A), ISTAR-Iscte, SCML - (Portugal)	2023 - 2026
2023	The goal of the Visionless sUpporting framework	Researcher	ISTAR-Iscte (DLS), Bay Zoltan Nonprofit Ltd. - (Hungary)