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## Marcos Eduardo B. Figueiredo

### Research Assistant

ISTAR-Iscte - Information Sciences, Technologies and Architecture Research Centre



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### Curriculum

Marcos Figueiredo has a degree in Industrial Design - Product Design, from São Paulo State University "Júlio de Mesquita Filho" (UNESP) - 1998, post graduate in Executive Training from FIA Business School - 2010, master in Engineering and Innovation Management at the Federal University of ABC - 2020 and is currently a PhD student in Architecture of Contemporary Metropolitan Territories at ISCTE-IUL - Lisbon University Institute. He is integrated to ISTAR-IUL - Research Center in Information Sciences, Technologies and Architecture, in the Digital Living Spaces Research group. He is dedicating mainly to the application of Virtual Reality and Spatial Perception in Architecture to understand the tool and its social impact at the level of well-being of communities and individuals. For this he has researched in areas such as: 3D Modeling, BIM (Building Information Modeling), Individuals Behavior in Virtual Environments, Avatars and Agents, Game Engines and Architecture. He currently has a paper published in Smart Innovation, Systems and Technologies, a Springer book series, and has a citation in an innovation journal. He has extensive experience in innovative business aviation industries, in areas as: planning and control, elaboration, design, quality and project management in companies such as Empresa Brasileira de Aeronáutica (EMBRAER) and F-List Components and Furniture, from Austria. In addition, he worked as a senior project manager in several US architecture visualization projects with Virtual Reality, images, videos and app development in a joint venture of Brazil and United States, namely CPVisual-Evolution Ventures.

### Research Interests

Digital Architecture

Virtual Reality

Space Perception
Augmented Reality
Public Spaces
Agents and Avatars
Interactive Digital Narratives
Cognition

## Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitario de Lisboa - Escola de Tecnologias e Arquitectura	PhD	Arquitetura dos Territórios Metropolitanos Contemporâneos	2023
UNIVESP - Universidade Virtual do Estado de São Paulo	Licenciate	Engenharia da Computação	2022
Universidade Federal do ABC	M.Sc.	Engenharia e Gestão da Inovação	2020
FIA Business School	Post-graduation	Capacitação Executiva	2010
UNESP - Universidade Estadual Paulista Júlio de Mesquita Filho	Bachelor of Science	Desenho Industrial - habilitação em Projeto de Produto	1998

## Total Citations

Web of Science®	32
Scopus	47

## Publications

### • Scientific Journals

- Scientific journal paper

1	<p>Figueiredo, M., Eloy, S. &amp; Marques, S. (2025). Age-friendly cities and active mobility: A thematic analysis based on immersive 360-degree video elicitation. <i>Cities</i>. 166</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 2</li> <li>- Times Cited Scopus: 2</li> <li>- Times Cited Google Scholar: 2</li> </ul>
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2	<p>Ng, P., Eloy, S., Raposo, M., Fernández González, A., Silva, N. P. da., Figueiredo, M....Zuberi, H. (2024). Challenges and opportunities of using metaverse tools for participatory architectural design processes. <i>Virtual Worlds</i>. 3 (3), 283-302</p> <p>- Times Cited Web of Science®: 5</p> <p>- Times Cited Scopus: 6</p> <p>- Times Cited Google Scholar: 10</p>
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**- Review article**

1	<p>Figueiredo, M., Eloy, S., Marques, S. &amp; Dias, L. (2023). Older people perceptions on the built environment: A scoping review. <i>Applied Ergonomics</i>. 108</p> <p>- Times Cited Web of Science®: 25</p> <p>- Times Cited Scopus: 26</p> <p>- Times Cited Google Scholar: 32</p>
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**• Books and Book Chapters**

**- Book chapter**

1	<p>Figueiredo, M., Rovilson Mafalda &amp; Andrea Kamensky (2020). Virtual Reality as an Educational Tool for Elementary School. In Luciana Pereira José Reginaldo Hughes Carvalho Petter Krus Magnus Klofsten Victor Juliano De Negri (Ed.), <i>Proceedings of IDEAS 2019</i>. (pp. 261-267).: Springer, Cham.</p> <p>- Times Cited Scopus: 13</p> <p>- Times Cited Google Scholar: 26</p>
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**• Conferences/Workshops and Talks**

**- Publication in conference proceedings**

1	<p>Figueiredo, M., Eloy, S., Marques, S. &amp; 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>
2	<p>Figueiredo, M., Eloy, S. &amp; Marques, S. (2022). Digital outdoor spaces to Improve older people's wellbeing: Narratives in virtual reality. In <i>Book of Abstracts of ZIP-Scene Conference 2022</i>. (pp. 33-34). Budapest</p>

**- Conference proceedings editor**

1	<p>Mouro, C., Roseta-Palma, C., Boager, E., Figueiredo, M., Fernandes-Jesus, M., Raposo, M....Batel, S. (2022). <i>Book of Abstracts – 27th IAPS Conference</i>. Lisboa. ISCTE.</p>
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**- Talk**

1	<p>Figueiredo, M., Eloy, S. &amp; Marques, S. (2023). Older People Interaction in an Architectural Digital Narrative: Challenges and Opportunities. <i>International Conference on Interactive Digital Storytelling - ICIDS 2023</i>.</p>
2	<p>Figueiredo, M., Eloy, S. &amp; Marques, S. (2022). Digital outdoor spaces to improve older people wellbeing: narratives in virtual reality. <i>Zip Scene Conference</i>.</p>

3	Figueiredo, M., Eloy, S. & Marques, S. (2022). Built environment perceptions: how older people decode outdoor public spaces. 1ª Conferência de Saúde Societal -"Saúde societal no futuro Pós-covid -19".
4	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.
5	Figueiredo, M., Mafalda, R. & Kamensky, A. (2019). Uma história da Realidade Virtual como meio de comunicação, divulgação e imersão nos saberes científico, técnico e escolar para a inovação social em educação. 2º Congresso de História da Ciência e da Técnica - Desafios Contemporâneos.

#### - Conference paper not in proceedings

1	Figueiredo, M., Eloy, S. & Marques, S. (2023). Older People Interaction in an Architectural Digital Narrative: Challenges and Opportunities . International Conference on Interactive Digital Storytelling - ICIDS 2023.
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### • Other Publications

#### - Other publications

1	Figueiredo, M., Eloy, S. & Marques, S. (2023). A model for Evaluating Older People Perceptions on the Outdoor Built Environment . UniverCidades 2023.
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#### - Master's Dissertation

1	Figueiredo, M. (2020). Inovacao Social com aplicacao de realidade virtual na escola publica.
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## Organization/Coordination of Events

Type of Organization/Coordination	Event Title	Organizer	Year
Member of scientific event's organizing committee	27th Conference International Association People-Environment Studies	ISCTE-IUL	2022

## Diffusion Activities

Activity Type	Event Title	Activity Description	Year
Talk/Conference in public diffusion event	Ciência'22 - Encontro com a Ciência e Tecnologia em Portugal	Poster presentation about current PhD research	2022
Talk/Conference in public diffusion event	Portugal Smart Cities 2022	Video presentation about my PhD research	2022
Talk/Conference in public diffusion event	Ciência'21 - Encontro com a Ciência e Tecnologia em Portugal	Poster presentation about ongoing doctoral thesis	2021