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Micaela Raposo

Research Assistant

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[Digital Living Spaces]



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Curriculum

Architect, MSc in architecture and PhD student at ISCTE-IUL. Operates in the area(s) of Humanities with an emphasis on Arts, namely in Architecture and Urbanism. Her PhD topic "Housing Co-design: A framework definition based on generative design systems" aims at synthesizing the potentials of generative design to address the customization of houses in a co-design process. In her master's thesis "Ver a Arquitetura através das tecnologias digitais" Raposo designed supported the development and tested an augmented reality app SeeARch for city information on architecture.

Research Interests: - Digital technologies applied to architectural design and architectural visualization - Methods of analysis of flows in built space - Housing Design - Participatory design processes

Research Interests

Housing customization

Collaborative Design (Co-Design)

Social Participation

Digital Architecture

User-centered Design

User experience - User interfaces (UX/UI)

Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitário de Lisboa - Escola de Tecnologias e Arquitectura	PhD	Arquitetura dos territórios Metropolitanos Contemporâneos	2023
Ordem dos Arquitectos	Other type of qualification	SRUP II - Os regimes da RAN e da REN	2018
Ordem dos Arquitectos	Other type of qualification	SRUP I - Serviços e Restrições de Utilidade Pública	2018
Ordem dos Arquitectos	Other type of qualification	Patologias em Edifícios	2018
ISCTE-Instituto Universitário de Lisboa	Integrated M.Sc.	Arquitetura	2016
Escola Secundária das Laranjeiras	Other type of qualification	Artes Visuais	2011
IES Vall D'Hebron	Other type of qualification	3º de ESO (9º ano do ensino básico)	2009

Total Citations

Web of Science®	0
Scopus	2

Publications

• Other Publications

- Architecture project publications

1	Costa, F., Raposo, M., Alves, Leandro & Martins, H. (2015). Steelcase V Concurso para Estudantes de Arquitectura.
2	Raposo, M., Ferreira, R & Castro, V (2013). Tasquinhas do Santo Cristo: Módulo efémero- Concurso de ideias.
3	Raposo, M. (2013). Espaço Expositivo: Instalação Sanitária- Concurso de ideias.

- Other publications

1	Raposo, M., Pinheiro, P. & Guimarães, G. (2021). Get Together. HackaBIP (Hackathon).
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- Master's Dissertation

1	Raposo, M. (2016). SeeARch- Ver a arquitetura através das tecnologias digitais O ensino das artes artes cénicas: Sines - Escola de dança. 69-231
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• Books and Book Chapters

- Book chapter

1	Carvalho, A., Santos, L, Raposo, M., Ferreira, R, Castro, V. & Saldanha, J. (2015). Paisagens Rurais. O território antes da Urbanização da Portela de Sacavém (Lisboa), da Unidade de Vizinhança do Prenda (Luanda), e do Edifício STDM (Macau). In Optimistic Suburbia.
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• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Raposo, M., Eloy, S. & Dias, J. (2023). Defining and evaluating a graphical user interface for a housing co-design system. In Katherine Blashki, Yingcai Xiao, Piet Kommers and Pedro Isaías (Ed.), Proceedings of The International Conferences on Interfaces and Human Computer Interaction 2023. (pp. 283-287). Porto: IADIS Press.
2	Raposo, M., Eloy, S. & Dias, J. (2022). Definição da interface de utilizador para co-design de habitação personalizada. In CAPSI 2022, Proceedings. Assomada/Praia: Associação Portuguesa de Sistemas de Informação (APSI).
3	Raposo, M., Eloy, S. & Dias, M. S. (2022). Get Together: A digital platform for urban social participation. In Herrera, P. C., Dreifuss-Serrano, C., Arris Calderón, L. F., and Gómez Zamora, P. (Ed.), SIGraDi 2022: Critical Appropriations. (pp. 763-774). Santiago de Surco, Peru: Universidad Peruana de Ciencias Aplicadas (UPC). - Times Cited Google Scholar: 1
4	Raposo, M. & Eloy, S. (2022). Using digital tools to facilitate co-design in housing projects. In Mouro, C. (Ed.), 27th IAPS Conference: Global challenges, local impacts: Rethinking governance, sustainability and consumption in light of climate change: Book of abstracts. Lisboa: Iscte-Instituto Universitário de Lisboa.
5	Eloy, S., Raposo, M., Costa, F. & Vermaas, P. (2021). Mychanges: Tools for the co-designing of housing transformations. In 2021 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW), Proceedings. (pp. 765-765). online: IEEE.
6	Eloy, S., Raposo, M., Costa, F. & Vermaas, P. E. (2021). Tools for the co-designing of housing transformations: A study on interaction and visualization modes. In Eloy, S., Viana, D. L., Morais, F., & Vaz, J. V. (Ed.), Formal Methods in Architecture. Advances in Science, Technology & Innovation. (pp. 91-100). Lisboa: Springer. - Times Cited Google Scholar: 2
7	Raposo, M. & Eloy, S. (2020). Customized housing design: Tools to enable inhabitants to co-design their house. In Werner, L., and Koering, D. (Ed.), Anthropologic: Architecture and Fabrication in the cognitive age - Proceedings of the 38th Conference on Education and Research in Computer Aided Architectural Design in Europe, eCAADe 2020. (pp. 67-76). Berlin: eCAADe (Education and Research in Computer Aided Architectural Design in Europe). - Times Cited Scopus: 2 - Times Cited Google Scholar: 2

8	Raposo, M., Eloy, S. & Dias, J. (2017). Revisiting the city, augmented with digital technologies: The SeeARch tool. In R. Amoêda, S. Lira, C. Pinheiro (Ed.), Proceedings of the REHAB 2017 conference. Braga: Green Lines Institute for Sustainable Development. - Times Cited Google Scholar: 7
9	Raposo, M., Santos, L., Ferreira, R., Brito, H. & Eloy, S. (2016). Morfologia, atratores e vida social: O impacto do espaço físico no modo como usamos a cidade: O caso do Bairro de Alvalade. In Correia, J., e Bandeira, M. (Ed.), Os espaços da morfologia urbana: Atas da 5.ª Conferência Internacional da Rede Lusófona de Morfologia Urbana, PNUM 2016. (pp. 295-305). Guimarães: Escola de Arquitectura da Universidade do Minho.

- Conference proceedings editor

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

1	Raposo, M., Eloy, S. & Dias, J. (2023). Defining and evaluating a graphical user interface for a housing co-design system. 17th International Conference on Interfaces and Human Computer Interaction 2023 (IHCI 2023).
2	Raposo, M., Eloy, S. & Dias, J. (2022). Get Together: A digital platform for urban social participation. SIGraDi 2022: Critical Appropriations.
3	Raposo, M. & Eloy, S. (2022). Using digital tools to facilitate co-design in housing projects. IAPS 2022- Global Challenges, Local Issues: : rethinking governance, sustainability and consumption in light of climate change.
4	Raposo, M., Eloy, S. & Dias, J. (2022). Requisitos e funcionalidades de uma interface de utilizador para Co-Design de habitação personalizada. CAPSI 2022: 22ª Conferência da Associação Portuguesa de Sistemas de Informação- Sistemas de Informação: Inovação e Desenvolvimento no espaço lusófono.
5	Raposo, M. & Eloy, S. (2021). Customized Housing Design: Tools to enable inhabitants to co-design their house. Housing and New Technologies: New methodologies and paradigms in housing research .
6	Eloy, S., Raposo, M., Costa, F. & Vermaas, P. (2020). Tools for the Co-designing of Housing Transformations: A Study on Interaction and Visualization Modes. 5th Symposium Formal Methods in Architecture.
7	Raposo, M. & Eloy, S. (2020). Customized Housing Design - Tools to enable inhabitants to co-design their house. Anthropologic: Architecture and Fabrication in the cognitive age - 38th eCAADe Conference.
8	André, P., Eloy, S., Francisco, João P. & Raposo, M. (2017). Novas visões de Alvalade: Investigação e Multimédia. Aula Aberta.
9	Raposo, M., Raposo, M, Eloy, S., Dias, J. & Mariana Lopes (2017). Revisiting the city augmented by digital technologies – SeeARch tool. Proceedings of the REHAB 2017 conference.
10	Raposo, M., Santos, L, Ferreira, R, Brito, H & Eloy, S. (2016). Morfologia, atratores e vida social. O impacto do espaço físico no modo como usamos a cidade: o caso do Bairro de Alvalade. PNUM 2016.

Awards

Best SIGraDi Research 2022- one of the four best research of SIGraDi 2022 International Conference (2022)

Hackathon HackaBIP - 1º place with Get Together project (2021)

REHAB 2017- 3º lugar na categoria ESR (Early Stage Researcher) (2017)

Projeto premiado- Espaço expositivo: Instalação Sanitária, Concurso de Ideias (2013)

Projeto premiado- Tasquinhas do Santo Cristo: Módulo Efêmero - Concurso de Ideias (2013)

Organization/Coordination of Events

Type of Organization/Coordination	Event Title	Organizer	Year
Member of non-scientific event's organizing committee	Participatory Design in the Metaverse: Sustainable Habitats & Housing Customisation	CAAD Futures 2023	2023
Member of scientific event's organizing committee	27th Conference of International Association of People-Environment Studies	ISCTE-IUL	2022
Member of scientific event's organizing committee	Symposium Artificial Realities: Virtual as an aesthetic medium in architectural ideation	ISTAR-IUL	2019
Member of scientific event's organizing committee	Exhibition Artificial Realities: Virtual as an aesthetic medium in architectural ideation	ISTAR-IUL	2019

Diffusion Activities

Activity Type	Event Title	Activity Description	Year
Talk/Conference in public diffusion event	Digital FUTURES Talk: Best SIGraDi Research 2022	Presentation of the research "Get Together: A digital platform for urban social participation", presented at the International Conference SIGraDi 2022 and discussion about the approach topics	2023
Talk/Conference in public diffusion event	Visit to ISTAR by a group of architecture students from the Technische Hochschule University Lübeck, Germany	Presentation of the PhD work and demonstration of the digital solutions developed at ISTAR	2023
Talk/Conference in public diffusion event	FISTA 2023	Housing Co-design System: Presentation of the prototype developed within the PhD thesis	2023
Talk/Conference in public diffusion event	Ciência'22 - Encontro com a Ciência e Tecnologia em Portugal	Poster presentation about ongoing doctoral thesis	2022
Talk/Conference in public diffusion event	FISTA 2022	PhD presentation with video of the Get together and MyChanges projects	2022
Talk/Conference in public diffusion event	Portugal Smart Cities Summit 2022	Video presentation about ongoing doctoral thesis	2022

Talk/Conference in public diffusion event	Ciência'21 - Encontro com a Ciência e Tecnologia em Portugal	Poster presentation about ongoing doctoral thesis	2021
Talk/Conference in public diffusion event	Portugal Smart Cities summit 2021	PhD presentation with video of the Get together and MyChanges projects	2021
Talk/Conference in public diffusion event	HackaBIP (Hackathon)	Participation on the hackathon with Get Together project	2021
Talk/Conference in public diffusion event	Ciência'20 – Encontro com a Ciência e Tecnologia em Portugal	Poster presentation about ongoing doctoral thesis	2020
Talk/Conference in public diffusion event	FISTA 2019	Demonstration: Presentation of projects developed at ISTAR-IUL and demonstration of applications developed using Augmented Reality HMD	2019
Talk/Conference in public diffusion event	European Researchers' Night. Science in the City	Demonstration: See Achitecture Through Digital Technologies	2018