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Catarina Ruivo

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Curriculum

Catarina Ruivo is an integrated researcher at DINÂMIA'CET-IUL. She holds a MS in Architecture (2014) from Porto's University and a PhD in Architecture, design and computation (2021) from Lisbon's University, with a visiting period at the Bartlett School of Architecture. Her doctoral research focused on state-subsidised housing and its relationship with urban development, exploring the articulation of quantitative methods of spatial analysis with the sociological and historiographic aspects of architectural research as a means of illuminating the spatial forms of political, social and economic processes. She collaborated with the research group Formal Methods in Architecture (ESAP, Porto) since 2016, conducting research on computational methods in architectural research, as well as organising academic workshops and symposia on the topic.

Academic Qualifications

University/Institution	Type	Degree	Period
Universidade de Lisboa Faculdade de Arquitectura	PhD	Arquitectura	2021
Universidade do Porto Faculdade de Arquitectura	Integrated M.Sc.	Arquitectura	2014

Total Citations

Web of Science®	1
Scopus	34

Publications

• Scientific Journals

- Scientific journal paper

1	Ruivo, C. & Herrera-Pineda, I. (2027). 'We can't die here by this wall': Public buildings between heritage and urban development in Miranda do Douro, Portugal. CIDADES, Comunidades e Territórios,(53). https://doi.org/10.15847/cct.44160
2	Ruivo, C. R., Palomares Alarcón, S. & Herrera-Pineda, I. (2026). Arquitectura y paisaje en el patrimonio hidrosocial de los poblados de pantanos en la Península Ibérica. ZARCH Journal of Interdisciplinary Studies in Architecture and Urbanism,(26), 110?123. https://doi.org/10.26754/ojs_zarch/zarch.20262612287
3	Ruivo, C. (2022). The spatiality of women's struggle within Porto's residents' movement during the Portuguese revolutionary process (1974-75). ZARCH Journal of Interdisciplinary Studies in Architecture and Urbanism,(18), 160?171. https://doi.org/10.26754/ojs_zarch/zarch.2022186173 - Times Cited Web of Science®: 1
4	Laura Costa, António Manuel Mesquita Ascensão, Cláudia Fernandes, Morais, Franklim & Ruivo, C. (2019). 3D Space Syntax Analysis: Attributes to be Applied in Landscape Architecture Projects. Urban Science,. https://doi.org/10.3390/urbansci3010020 - Times Cited Scopus: 25 - Times Cited Google Scholar: 34
5	Ascensão, Ruivo, C., Morais & Costa (2018). Urban Park in Maia - Porto: A Case Study of Application of 'Space Syntax' to Landscape Architecture. Journal of Digital Landscape Architecture,, 217?226. - Times Cited Scopus: 5 - Times Cited Google Scholar: 5
6	Ruivo, C. (2017). A retórica na habitação social o SAAL e os novos paradigmas. Espaços Vividos e Espaços Construídos, 1(5), 40?46.

• Books and Book Chapters

- Book editor

1	Marques, B., Ruivo, C., Viana, David Leite, Vaz, J. V. & Vieira Vaz, J. (2024). 7th International Simposium Formal Methods in Architecture - Book of Abstracts. Escola Superior Artística do Porto.
2	Viana, David Leite, Vaz, J. V., Morais, Franklim & Ruivo, C. (2021). Formal Methods in Architecture and Urbanism.
3	Ruivo, C., Viana, David Leite, Morais, Franklim, Vaz, J. V. & Vieira Vaz, J. (2021). Formal Methods in Architecture and Urbanism - Volume 2. Cambridge Scholars.

- Book chapter

1	Ruivo, C., Morais, Franklim, Flores, Joaquim de Moura & Vaz, J. V. (2023). Integrating Formal Methodologies in a Multi-Layered Analysis for Management Policies for the Pedestrian Use of Public Space. Formal Methods in Architecture - proceedings of the 6th International Symposium on Formal Methods in Architecture (pp. 115?143). Springer Nature Singapore.
2	Mora, Plácido Lizancos, Ruivo, C., Viana, David Leite, Morais, Franklim, Vaz, J. V. & López-Chao, Vicente (2023). Some Controversies Around Formalization in Architecture. Formal Methods in Architecture - proceedings of the 6th International Symposium on Formal Methods in Architecture (pp. 35?46). Springer Nature Singapore.
3	Ruivo, C., Viana, David Leite, Morais, Franklim, Carvalho, Isabel & Vaz, Jorge (2021). ScavaTools: Strategies and Tools for the Mass Dissemination of SCAVA Techniques. In Sara Eloy and David Leite Viana and Jorge Vieira Vaz and Franklim Morais (Ed.), Formal Methods in Architecture - Proceedings of the 5th International Symposium on Formal Methods in Architecture (pp. 251?263). Springer International Publishing. https://doi.org/10.1007/978-3-030-57509-0_23

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Ruivo, C. & Herrera-Pineda, I. (2025). Ghosts of a productive past: Derelict buildings and transformations in food production in the second half of the 20th century in Montalegre, Northern Portugal. In Juan Calatrava Escobar , David Arredondo Garrido , Marta Rodríguez Iturriaga (Ed.), Comida y arquitectura: Casa, calle, territorio (pp. 797?810). Editorial Universidad de Granada.
2	Ruivo, C. & Quelhas, B. (2022). O impacto das tipologias do alojamento local no tecido urbano do Porto. In Alegre, A., Costa, A. R. da., Arnaut, D., Bastos, F. T., Gonçalves, J., Lourenço, P., e Castel' Branco, R. (Ed.), 9ª Conferência da Rede Lusófona de Morfologia Urbana. Identidades e dinâmicas de reconfiguração urbana na Era Digital: Book of proceedings (pp. 89?105). IST Press.
3	Ruivo, C. & Varoudis, T. (2022). Views of domesticity from fascism to democracy: The shifting architectural paradigms of Portuguese public housing, 1969-1982. In van Nes, A., and de Koning, R. E. (Ed.), Proceedings of the 13th Space Syntax Symposium. Western Norway University of Applied sciences.
4	Ruivo, C. & Varoudis, T. (2019). Organising family life: An analysis of the spatial organisation of people and activities in the household. Proceedings of the 12th Space Syntax Symposium. Beijing JiaoTong University. - Times Cited Scopus: 2 - Times Cited Google Scholar: 3
5	Ruivo, C. & Varoudis, T. (2017). Rethinking domestic and neighbourhood space: An analysis of social housing in the Portuguese post-revolutionary period. 11th International Space Syntax Symposium (pp. 20.1?20.12). - Times Cited Scopus: 2 - Times Cited Google Scholar: 2
6	Morais, F., Vaz, J.V., Viana, David Leite, Carvalho, I.C., Ruivo, C., Paixão, C....Gomes, T. (2017). 3D space syntax analysis case study: Casa da Música. 11th International Space Syntax Symposium (pp. 169.1?169.16). - Times Cited Google Scholar: 8

- Conference proceedings editor

1	Marques, B., Ruivo, C., Viana, David Leite, Vaz, J. V. & Vieira Vaz, J. (2025). Formal Methods in Architecture: Proceedings of the 7th International Symposium on Formal Methods in Architecture (7FMA), Porto 2024. Springer.
2	Marques, B., Ruivo, C., Leite Viana, D. & Vieira Vaz, J. (2025). Formal Methods in Architecture: 7th International Symposium Book of Abstracts. CESAP - Cooperativa de Ensino Superior Artístico.

- Talk

1	Agarez, R. & Ruivo, C. (2025). Colaboratório Arquitectura Aqui na FAUP – Comunidade, Proximidade, Ação: Equipamento de Utilização Coletiva em Portugal e Espanha 1939-1985. Sessão de Apresentação e Discussão (Porto, FAUP, 23 abril 2025),.
2	Ruivo, C. (2024). Quantifying Need: An Exploratory Overview of Arquitectura Aqui's Database. International Conference 'The Architecture of Need: Collective-Use Facilities and Community Service in the Twentieth Century',.
3	Ruivo, C., Pascoal, A. M. & Rosado, A. C. (2024). Built in Contradiction: A Parallel Reading of Housing Policies in Portugal and Spain, 1974-1985. EAHN 2024 Athens,.
4	Ruivo, C. & Herrera-Pineda, I. (2024). Beyond the Construction-Site Settlement: Architecture's interaction with labour in the construction of Douro's dams in the mid-20th century. International Conference Production Studies,.
5	Agarez, R., Pascoal, A. M. & Ruivo, C. (2024). 'The Architecture of Need' in Arquitectura Aqui. 'The Architecture of Need: Collective-Use Facilities and Community Service in the Twentieth Century' International Conference,.
6	Agarez, R., Ruivo, C. & Herrera-Pineda, I. (2023). Arquitectura Aqui em Coimbra: Infraestruturas da Soberania Alimentar. IV Congresso Internacional Rural RePort,.
7	Morais, Franklim, Ruivo, C., Vaz, J. V. & Flores, Joaquim de Moura (2022). Integrating Formal Methodologies in a Multilayered Analysis for Management Policies for the Pedestrian Use of Public Space. 6th International Symposium Formal Methods in Architecture,.

• Other Publications

- Entries/Forewords/Afterwords

1	Ruivo, C. (2025). Closing Speech. Formal Methods in Architecture: Proceedings of the 7th International Symposium,, xiii?xvi. https://doi.org/https://link.springer.com/book/10.1007/978-3-032-02782-5
2	Ruivo, C., Viana, David Leite, Morais, Franklim, Vaz, J. V. & Vieira Vaz, J. (2021). Introduction to the 4th Formal Methods in Archietcture. Formal Methods in Architecture and Urbanism. Volume 2,, xi?xv.

- Master's Dissertation

1	Ruivo, C. (2014). As formas sociais da Arquitectura - O uso como base de uma análise formal da evolução da habitação colectiva portuense no séc. XX..

- Doctoral Thesis

1	Ruivo, C. (2021). Design paradigmas in Porto's public and cooperaqtive housing in and aroud the portuguese revolutionariry period..

Research Projects

Project Title	Role in Project	Partners	Period
European Research Council Starting Grant (GA949686) ReARQ.IB - Built Environment Knowledge for Resilient, Sustainable Communities: Understanding Everyday Modern Architecture and Urban Design in the Iberian Peninsula (1939-1985)	Researcher	DINAMIA'CET-Iscte (CT) - Leader	2022 - 2026

Organization/Coordination of Events

Type of Organization/Coordination	Event Title	Organizer	Year
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	4th International Conference - Food Sovereignty - session Food Sovereignty Facilities	RuralReport, Sociedad de Estudios de Historia Agraria	2023
Coordination of scientific event (with scientific committee) outside of ISCTE-IUL	7th International Symposium Formal Formal Methods in Architecture	ESAP-Escola Superior Artística do Porto; Ordem dos Arquitectos - Secção Regional do Norte	2023 - 2024
Member of scientific event's organizing committee	6th International Symposium Formal Methods in Architecture	ESAP-Escola Superior Artística do Porto; ETSAC-UDC	2022
Member of scientific event committee	NEB goes South 'The question of housing'	FAUP	2021
Member of scientific event's organizing committee	5th International Symposium Formal Methods in Architecture	ESAP-Escola Superior Artística do Porto; ISCTE-IUL	2019 - 2020
Member of scientific event committee	5th International Symposium Formal Methods in Architecture	ESAP-Escola Superior Artística do Porto	2019 - 2020

Diffusion Activities

Activity Type	Event Title	Activity Description	Year
Coordination of knowledge diffusion event	Arquitectura Aqui in Barcelos - "History and Colective Memory: The construction of Barcelos in the 20th century"	Dissemination of results of the project ReARQ.IB and collection of memories.	2025
Talk/Conference in public diffusion event	Collaboratory Architecture Here – Community, Proximity, Action: Public Facilities in Portugal and Spain 1939–1985		2025
Talk/Conference in public diffusion event	Collaborative workshop “Architecture Here at FAUP – Community, Proximity, Action, Public Facilities in Portugal and Spain 1939-1985”		2025
Talk/Conference in public diffusion event	History and Collective Memory: Welfare and Local Dynamisation in the Municipality of Viana do Castelo in the second half of the 20th century		2024
Coordination of knowledge diffusion event	The Living Archive of our Memory		2023
Coordination of knowledge diffusion event	Public Buildings and Community		2023
Publication in general diffusion news outlet	Radio Montalegre - Viagens pelo Património		2023
Coordination of knowledge diffusion event	Arquitectura Aqui in Bragança: Citizen Science, its Buildings and its History		2023