

## Available PhD Supervisors for intake October 2024

Name	Research Areas/interests
<p data-bbox="203 371 450 403"><a href="#">Dr Ronita Bardhan</a></p> <p data-bbox="203 451 533 483">Email: rb867@cam.ac.uk</p>	<p data-bbox="602 371 1957 754">Dr Bardhan encourages applications from potential PhD students interested in working in interdisciplinary research on the sustainable built environment design of urban habitats and computational sciences using a combination of architectural engineering, building physics, data-driven approaches, and geo-spatial approaches. Broadly the research proposal can adhere to either or some of the following topics: (i) Sustainable Design for health (indoor/ outdoor air quality; thermal comfort, heat transfer models, daylight) (ii) Building Performance: Simulation; Energy Efficiency (iii) Digital Tools for Health and Energy use behaviour insights, (iv) Machine Learning, Artificial Intelligence Computer Vision; (v) Urban spatial modelling &amp; Spatial Analysis. Interested applicants should send a detailed research proposal. This should include a timeline for research and proposed/ expected funding sources. It is highly recommended to connect with me prior to submission of the research proposal.</p>
<p data-bbox="203 807 546 839"><a href="#">Professor James Campbell</a></p> <p data-bbox="203 887 501 951">Email: jwpc2@aha.cam.ac.uk</p>	<p data-bbox="602 807 1957 1150">Professor Campbell welcomes applications from any potential PhD students interested in researching any aspect of the history of building construction or the history of library design from all parts of the world. Unless they already hold a relevant research degree (an MPhil, not an MArch), successful applicants will normally be required to sit for an MPhil or MSt in the first instance (either an MPhil by Research or on the History of Architecture MPhil in the History of Art department or the MSt in Building History) on the successful completion of which they may be allowed to proceed to the PhD. Interested applicants should send a detailed research proposal. This should include a timeline for research and proposed sources. The potential student is expected to have visited the sources and established their accessibility before application.</p>

<p><a href="#">Dr Ramit Debnath</a></p> <p>Email: <a href="mailto:rd545@cam.ac.uk">rd545@cam.ac.uk</a></p>	<p>Dr Ramit Debnath welcomes applications from potential PhD candidates interested in working in the cutting-edge interdisciplinary domain of environmental data science, computational social science, and human-in-the-loop AI design to enable climate action. Applicants should be able to demonstrate excellent data science and quantitative research skills and a passion for interdisciplinary engagement. There is no restriction regarding the field study of the first degree, but a research-based master's degree is expected with demonstrable outcomes like a research paper; if not, the candidate is expected to first apply to take our MPhil course (MAUS) (or an equivalent research degree elsewhere) before being considered for a PhD. Please prepare a 4-5-page PhD research proposal, including outlines of topic, research question(s), literature review, data sources, methods, timeline, expected outcome, and bibliography. It is highly recommended that you connect with me with your CV and research proposal prior to submitting your PhD application.</p>
<p><a href="#">Dr Tao Dufour</a></p> <p>Email: <a href="mailto:tns22@cam.ac.uk">tns22@cam.ac.uk</a></p>	<p>Dr DuFour welcomes applications from potential PhD students who are interested in interdisciplinary approaches to spatial and landscape research grounded in the humanities. Areas of PhD supervision interest include: phenomenology of space and environmental experience; spatial and landscape research in postcolonial geographies; spatial ethnography and documentary film; spatial histories of the Caribbean and Guianas; spatial imaginaries, narrative and literature; intergenerational relations and environmentality. Potential applicants are encouraged to consider, in the first instance, applying for the MPhil in Architecture and Urban Studies (MAUS) degree program, unless they already hold an equivalent research degree. Interested applicants should send a detailed research proposal, which should include a short abstract, a research statement identifying their topic and thematic interests, a preliminary timeline for research which should include archival research and/or (ethnographic) fieldwork, and a concise list of relevant bibliographic and source material.</p>

<p><a href="#">Dr Michal Gath-Morad</a></p> <p>Email: mg2068@cam.ac.uk</p>	<p>Dr. Gath-Morad invites interdisciplinary research proposals exploring how architectural design impacts spatial cognition, behaviour, and social dynamics in diverse environments, from healthcare and workplaces to complex urban settings. Proposals can encompass empirical studies, the development of digital simulation tools for human-centred design, or action research investigating the influence of evidence-based design tools on design cognition. Prospective candidates with diverse academic backgrounds, including psychology, neuroscience, computer science, and architecture, are encouraged to reach out to me first and submit concise, one-page research proposals. These should include a summary, research questions, methodology, hypotheses, analysis plan, expected outcomes, and contributions, while referencing relevant state-of-the-art research</p>
<p><a href="#">Dr Felipe Hernandez</a></p> <p>Email: fh285@cam.ac.uk</p>	<p>Dr Hernandez welcomes applications on the field of Urban Transformations in Developing World Cities Race, Poverty and the Urban Periphery in Latin American Cities and Spatial Injustice and Social Housing Disparities</p>
<p><a href="#">Professor Ying Jin</a></p> <p>Email: yj242@cam.ac.uk</p>	<p>Dr Jin welcomes applications in the field of urban data science, analysis and modelling at the neighbourhood, city, metropolitan, mega-city, national and international scales. There is no particular restriction regarding the field study of the first degree as this is an interdisciplinary field spanning architecture, city planning, economics, transportation engineering, geography, investment finance and urban design. The applicants will have already demonstrated excellent skills in critical quantitative research and interdisciplinary engagement.</p>
<p><a href="#">Dr Irit Katz</a></p> <p>Email: ik300@cam.ac.uk</p>	<p>Dr Katz is not accepting applications for 2024-2025.</p>
<p><a href="#">Dr Antiopi Koronaki</a></p> <p>Email: ak2260@cam.ac.uk</p>	<p>The continuous advancements in the development of computational design tools and fabrication methods enables us to deliver optimised comprehensive and inclusive designs, which can substantially reduce our impact on the environment. I welcome applications from any potential PhD student interested in this interdisciplinary research area, using computational design, architectural engineering and geometry, and design optimization principles. Potential topics may include, but are not limited to automation and design for disassembly, modular buildings and circularity in the construction sector,</p>

	<p>engineered timber construction, as well as advanced fabrication and robotics in architecture. Interested applicants should send a detailed research proposal, where they identify areas of interest, proposed research methods and a timeline. It would be recommended to contact me before the submission of their research proposal.</p>
<p><a href="#">Dr Adam Menuge</a> Email: am2075@cam.ac.uk</p>	<p>Dr Menuge welcomes applications on a wide range of Building History topics. Proposals should be firmly rooted in the use of primary historical evidence, including building fabric, and candidates should have demonstrable research skills and experience in the historic built environment (e.g. a relevant Masters-level research degree). Proposals concerning vernacular buildings, the vernacular/polite threshold, villas and country houses, buildings and landscapes, buildings and leisure, industrial buildings, building materials and trades, or neglected sources for building history, are of special interest. My research interests are primarily in British buildings, and I favour topics that decode their material, formal and social expression as sources for understanding the past. Please send a succinct proposal (1,500 words max.) and a list of the main sources you propose to use.</p>
<p><a href="#">Professor Michael Ramage</a> Email: mhr29@cam.ac.uk</p>	<p>Professor Ramage is not accepting applications.</p>
<p><a href="#">Professor Flora Samuel</a> Email: fbs22@cam.ac.uk</p>	<p>Prof Samuel's action oriented and pragmatic work focuses on affordable housing, participatory planning, community consultation, social value and mapping data with communities. She is setting up an 'urban room' for Cambridge - a place for communities, university, local authorities, industry and practice to come together to develop evidence based strategy for their city. She is also working in rural North Wales on developing data maps of the Isle of Anglesey. She will only accept PhDs that can augment these existing strands of work. She has a particular interest, as well as considerable experience, in the development of practitioner PhDs and is passionate about developing the research capability of architecture practice so applications by practitioners who are keen to research the reality of contemporary practice are also welcome.</p>
<p><a href="#">Dr Sofia Singler</a> Email: sas97@cam.ac.uk</p>	<p>Dr Singler's specialism is Aalto scholarship—the critical analysis of the architecture, urbanism, design and thought of Finnish modernists Alvar, Aino and Elissa Aalto and their associates. Her other research interests lie in the histories and theories of modern architecture, Indigenous architectures, architectural criticism, and architectural pedagogies for children. She is currently engaged in two main</p>

	research projects, one on the post-construction ‘afterlives’ of Aalto buildings, and the other on contested notions of contemporaneity in Sámi public buildings.
<a href="#">Dr Darshil U. Shah</a> Email: dus20@cam.ac.uk	Dr Shah welcomes applications from any potential PhD student interested in researching any of the following areas: Design and manufacture with biocomposites and low-carbon materials, Structure-property-processing relations in natural materials and structures, Biomechanics and biomimetics, History of natural materials & materials processing, and Design education and pedagogy. Proposals can range from experimental, computational, design work, amongst others, and from fundamental science to applied research. Prospective PhD students should hold a relevant Masters (e.g. Engineering, Materials Science) or a relevant research degree (e.g. an MPhil). Interested applicants should send a detailed research proposal (4-6 pages), which should include a timeline for research. It may be helpful to have identified or approached relevant (academic/industry) partners for potential collaboration. Dr Shah particularly welcomes applications from members of historically excluded groups.
<a href="#">Professor Minna Sunikka-Blank</a> Email: mms45@cam.ac.uk	Professor Sunikka-Blank welcomes applications from any potential PhD students interested in researching areas of sustainable housing policy including domestic energy transitions. Unless they already hold a relevant research degree (an MPhil, not an MArch), successful applicants will normally be required to sit for an MPhil or MSt in the first instance on the successful completion of which they may be allowed to proceed to the PhD. Interested applicants should send a detailed research proposal. It is crucial that the research proposal should include plans for fieldwork.
<a href="#">Professor Emily So</a> Email: ekms2@cam.ac.uk	Professor So welcomes applications from any potential PhD students interested in researching risk in the built environment, especially those related to natural hazards. Dr So’s own area of specialty is casualty estimation in earthquake loss modelling and assessing physical exposure and vulnerability to natural hazards. She has worked in many parts of the world in translating science to real-world applications and is particularly interested in developing tools for risk communication and raising public awareness. Interested applicants should send a detailed research proposal and CV. This should include a timeline for research and proposed sources. The potential student is expected to have visited the sources and established their accessibility before application.
<a href="#">Professor Koen Steemers</a>	Koen is happy to consider applications from potential PhD students interested in carrying out mixed-methods research into sustainable architecture and urban design. Topics can include energy,

<p>Email: kas11@cam.ac.uk</p>	<p>environmental and 'circular' performance of buildings and cities, particularly where this intersects with human behaviour, health and wellbeing. Please prepare a 1500-word research proposal including: topic, research question(s), literature review, methods, timeline and bibliography. Also note that my colleagues – Professor Minna Sunikka-Blank, Dr Ronita Bardhan and Dr Michal Gath-Morad – cover related themes of research and therefore may be appropriate for your interests.</p>
<p><a href="#">Dr Maximilian Sternberg</a> Email: mjpg75@cam.ac.uk</p>	<p>Dr Sternberg welcomes applications from any potential PhD students interested in history and theory of architecture and urban studies. He has supervised doctoral students on a wide range of <u>topics</u>, including on diverse aspects of contemporary cities.</p>
<p><a href="#">Dr Matteo Zallio</a> Email: mz461@cam.ac.uk</p>	<p>Dr Zallio encourages applications from potential PhD students interested in interdisciplinary research on Inclusive Design for the built environment, product, and service design. Interested applicants are encouraged to send a detailed research proposal, including a timeline and expected funding sources.</p>