



## SCHOOL OF ARCHITECTURE, TENURE-TRACK FACULTY IN ARCHITECTURAL ENGINEERING

The School of Architecture in the Faculty of Engineering at the University of Waterloo is inviting applications for two(2) tenure-track positions at the rank of Assistant Professor in the area of Architectural Engineering with a proposed start date of September 1, 2020. In the case of an exceptional candidate, an appointment at the rank of Associate Professor or Full Professor may be considered. This is a unique opportunity to contribute to Architectural Engineering, an unparalleled collaboration between a leading School of Architecture and a Civil and Environmental Engineering department within an exceptionally strong Engineering Faculty.

The Architectural Engineering program is one-of-a-kind in Canada. Launched in September 2018, it was specifically developed to merge engineering and architectural concepts, allowing students in their future professional roles to create high quality, low energy, technically and aesthetically considered buildings. Students in this program focus on the whole scope of building creation including design, construction, assessment, repair, and refurbishment. The Architectural Engineering program considers sustainability and environmental concerns of the built environment to be a fundamental part of all engineering design. It is a cooperative education program that is expected to be a CEAB accredited degree. The successful candidates will be involved in the foundational creation of critical courses at the intersection of Architecture and Engineering.

Applicants should have research expertise in one or several of the following areas: environmental and building systems, building science, building structures, or smart buildings and materials. A background in architecture, history of technology, material research, computational design; and research embracing environmental and ecological considerations, for example in low carbon building envelopes and systems, reuse or repurposing of materials, advanced manufacturing and robotic fabrication of building components, building information modelling, or optimization of energy usage in building applications would be considered desirable.

Applicants must demonstrate potential or have proven ability to develop an internationally recognized research program, must have excellent communication skills, and must have a strong commitment to teaching. The successful candidate will be expected to develop and teach courses to students in Architectural Engineering, while also being a key collaborator in the technology and environment stream in Architecture. The roles will include ongoing development of the graduate and undergraduate curriculum, expansion of the School of Architecture's technology resources and facilities, and development of a successful research project with research funding generated in collaboration with external professional, academic and industrial organizations. The School of Architecture expects the successful candidates to teach in studio, in tutorial-based lecture courses, and to lead seminars at undergraduate and graduate levels in core and elective streams, integrating technology, design, and culture.

The School of Architecture offers a CACB accredited professional program consisting of a four-year Honours Bachelor of Architectural Studies followed by a Professional Master of Architecture. Cultural literacy, environmental stewardship, technological innovation and a professional trajectory are central to the curriculum and culture of The School. The School has had a second location in Rome for 40 years, in which all fourth-year students study. The undergraduate curriculum also includes 24 months of cooperative work term experience, half of which are outside Canada, in many award-winning offices. The School thus maintains close connections with design offices around the world that employ coop students, and with professional organizations and individuals in related disciplines. The University of Waterloo excels at experiential learning via the world's largest post-secondary co-operative education program. As part of the University of Waterloo Faculty of Engineering, the School of Architecture offers the opportunity for cross-collaborations with other specialized departments- including Biomedical Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, Mechanical and Mechatronics Engineering, Nanotechnology, Systems Design, Geography and Environmental Management, and the School of Planning - as well as centers or research groups such as the Water Institute (<https://uwaterloo.ca/water-institute/>), the Interdisciplinary Centre on Climate Change (<https://uwaterloo.ca/climate-centre/>), the Living Architecture Systems group ([www.lasg.ca](http://www.lasg.ca)) and the Buoyant Foundation Project (<http://buoyantfoundation.org/>). The University of Waterloo is located in the Greater Waterloo Region -a key technology corridor in the country- and it has connections with industries and organizations there. Waterloo is a comprehensive university, widely recognized as a center of research in high technology and innovative teaching.

The University of Waterloo regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. As such, we encourage applications from women, persons with disabilities, Indigenous peoples, members of visible minorities, and others who may contribute to the further diversification of ideas. At Waterloo, you will have the opportunity to work across disciplines and collaborate with an international community of scholars and a diverse student body, situated in a rapidly growing community that has been termed a "hub of innovation." All qualified candidates are encouraged to apply, however Canadians and permanent residents will be given priority. Please consider these three reasons to apply: <https://uwaterloo.ca/faculty-association/why-waterloo>

The successful candidates must have an advanced education in the field of Architecture or Engineering, with teaching experience in an architecture school or engineering department, professional experience, and a record of creative design and original research including grants and publications. Evidence of an actively developing research program is required. While a doctorate is preferred, the School of Architecture will consider terminal degrees such as Masters in Architecture where accompanied by significant professional and design achievement, and publication. As the positions will teach across Architecture and Engineering, academic qualifications that enable the candidate to apply for Professional Engineering license will be an asset. The salary range for these positions at the rank of Assistant Professor is \$100,000 to \$150,000. Negotiations beyond this salary range will be considered for exceptionally qualified candidates.

The closing date for applications is **March 31, 2020**. Interested candidates should submit a cover letter, a current curriculum vitae, a research statement with current and future objectives, a teaching statement, an abbreviated portfolio including samples of relevant work, and the names and full contact information of at least three references. Three letters of reference will be requested for applicants invited for an interview. Selected candidates will be invited to provide additional details for review.

Potential applicants are encouraged to visit the School of Architecture and to consult our web site [www.architecture.uwaterloo.ca](http://www.architecture.uwaterloo.ca) to obtain a more complete understanding of the academic program, support facilities and current interests of the School.

If you have any questions regarding the position, the application process, assessment process, eligibility, or a request for accommodation during the hiring process, please contact Emily Stafford, acting Administrative Officer, at [emily.stafford@uwaterloo.ca](mailto:emily.stafford@uwaterloo.ca).

**Address applications to** Dr. Anne Bordeleau, O'Donovan Director, by e-mail or post:

email: [Directorarchitecture@uwaterloo.ca](mailto:Directorarchitecture@uwaterloo.ca)

post: School of Architecture, University of Waterloo

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