PhD opening on UHPC structure (Structural Engineering)
McGill University

Job Title	PhD opening on UHPC structure (Structural Engineering)
Department	Civil Engineering https://www.mcgill.ca/civil/
Institution	McGill University Montreal, Quebec
Date Posted	Apr. 25, 2022
Application Deadline	Jul. 15, 2022
Position Start Date	Jan. 15, 2023
Job Categories	Graduate Student
Academic Field(s)	Structural Engineering Civil Engineering
Job Website	https://www.shao-lab.com/opportunities
Apply Online Here	https://www.mcgill.ca/civil/grad/admissions
Apply By Email	

Job Description

One funded Ph.D. position is available for Winter 2023 in the Sustainable and Digital Concrete Lab directed by Prof. Yi Shao. The application deadline is July 15, 2022. The Ph.D. candidate will work on a project funded by American Concrete Institute (ACI) foundation. The project involves large-scale UHPC beam tests to support the development of flexural and shear design methods for reinforced UHPC. The Ph.D. candidate will also have the opportunity to develop other projects related to sustainable and resilient concrete infrastructure. Application Guidance can be found at https://www.shao-lab.com/opportunities
There are plentiful postdoctoral fellowship opportunities available at McGill. We also welcome

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passionate exchange students and visiting scholars to join our team. Our team offers an exciting, inclusive, and interdisciplinary research environment that provides rich opportunities for technology advancement as well as real-world applications of research.
Our lab is committed to creating new solutions for reducing the environmental impact and labor demand of building concrete infrastructure. Current projects focus on developing durable and resilient structural systems that minimize material and labor usage. Our research tools include the development and application of high-performance materials (especially Ultra-High Performance Concrete, UHPC), nonlinear finite element methods, innovative structural systems, topology optimization, and digital construction methods. I strongly encourage students or scholars who share our mission to apply.
About McGill
McGill University is one of Canada's best-known institutions of higher learning and one of the leading universities in the world (QS world rank: 27). With students coming to McGill from over 150 countries, our student body is the most internationally diverse of any research-intensive university in the country. McGill locates at the downtown of Montreal, a beautiful, multicultural, and safe metropolitan. Montreal is ranked No.9 in the world’s best student cities (QS ranking). At McGill, you will meet the world’s brightest minds while experiencing amazing culture and food.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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Canada