

PhD/Postdoc positions in Topology Optimization and
UHPC Structures
McGill University

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Posted May 6, 2025, set to expire Sep. 4, 2025

Job Title	PhD/Postdoc positions in Topology Optimization and UHPC Structures
Department	Civil Engineering https://www.mcgill.ca/civil/
Institution	McGill University Montreal, Quebec
Date Posted	May 6, 2025
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Graduate Student Post-Doc
Academic Field(s)	Structural Engineering Civil Engineering
Job Website	https://www.shao-lab.com
Apply By Email	
Job Description	

Two positions are available at the [AIS Construction lab](#) at McGill University, directed by [Prof. Yi Shao](#).

Position 1: Structural Optimization of Concrete Structures. This position will be co-supervised by [Prof. Glaucio Paulino](#) at Princeton University. This position requires a strong background in mathematics and programming.

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Position 2: Fire resistance and life-cycle assessment of UHPC bridges. This position requires a strong background in concrete structure and lab skills.

PhD students are expected to start from 2026 Winter/Fall admission. Postdocs are expected to start on a mutually agreed date in the near future.

Our group fosters a diverse, inclusive, and dynamic environment. Female students or students from a minority group are strongly encouraged to apply.

Interested candidates, please send your CV and transcript to shaoapply@gmail.com

Contact Information

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

Contact

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Canada