



FACULTY OF
ENGINEERING AND
APPLIED SCIENCE

Department of
Civil Engineering

Ph.D. position in Civil Engineering

Posting Date: 24 August 2018

Job Title: Full-time Ph.D. Student

Department: Civil Engineering (<https://civil.queensu.ca/index.html>)

Description of Area: Structural Engineering, Engineering Mechanics

Supervision: Dr. Katerina Genikomsou

Start Date: January 1, 2019

Duration: 4 years

Project Description: The funding for the position is provided by NSERC (http://www.nserc-crsng.gc.ca/index_eng.asp). Research will be conducted to examine the experimental and numerical behavior of reinforced concrete slab-column connections using innovative techniques and a new generation of construction materials such as FRP reinforcing bars, stay-in-place FRP forms, fiber-reinforced concrete/cementitious composites. The experimental behavior of the connections will be examined in both static and seismic load scenarios. The research program will include finite element analysis (FEA) which combined with extensive laboratory testing, which will allow for parameter calibrations and corroboration of structural behavior.

Required Qualifications: Candidates should have completed Bachelor and Master degrees in Civil/Structural Engineering at the start date of the appointment. Candidates should demonstrate excellence in research. Knowledge of using a finite element analysis (FEA) software such as ABAQUS and laboratory experience will be an asset. As part of the Ph.D. program, the successful candidate will also be a teaching assistant for undergraduate courses.

Required Documentation and Application Procedure: For further information, please contact Dr. Katerina Genikomsou (aikaterini.genikomsou@queensu.ca, +1-613-533-6676). Applicants are encouraged to submit a curriculum vitae, academic transcripts, and the names and contact information for at least two referees to Dr. Katerina Genikomsou at aikaterini.genikomsou@queensu.ca.