

RESEARCH COORDINATOR POSITION AVAILABLE

The Department of Civil Engineering at McMaster University, Hamilton, Ont. (Canada), invites applications for the position of Research Coordinator.

Project description:

The project is focused on the development of constitutive relations for describing the inelastic response of structural masonry. The formulation will invoke both meso and macroscale analysis. The continuum representation, will account for the effects of structural anisotropy as well as description of a discontinuous failure mode associated with propagation of discrete macrocracks. The constitutive relations developed at both meso and macroscale will be incorporated in finite element package (Abaqus). A specialized software will also be developed for identification of material functions embedded in the continuum framework. Extensive nonlinear seismic analysis will be performed for a number of selected large-scale masonry structures.

Starting date: March 1, 2019

Salary range: \$34.57-\$48.65/hr

Duration of the appointment: 1 year with a possibility of renewal

Requirements:

- Master's degree in relevant field of study (Ph.D. preferred)
- Requires 6 years of relevant experience, including 1 year of full supervision

Additional information:

The candidate is expected to have a sound knowledge of theory of plasticity (including description of inherent anisotropy), structural analysis of masonry as well as non-linear

No teaching will be required.

Application procedure:

For the full job description and how to apply please go to the website:

[https://careers.mcmaster.ca/psp/preprd/EMPLOYEE/HRMS/c/](https://careers.mcmaster.ca/psp/preprd/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_APP_SCHJOB.GBL?)

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Employee Group: Unifor Unit 1, Staff

Contact information:

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DATE OF POSTING: January 2, 2019

DEADLINE FOR APPLICATIONS: February 27, 2019