

Postdoctoral Associate Position Opportunity

Department: Civil & Environmental Engineering

Supervisor: Hesham El Naggar

Description of Research and Position:

Prof. El Naggar at the Department of Civil and Environmental Engineering, invites applications for an energetic and dynamic postdoctoral associate in the area of Soil-Structure Interaction. The appointment is expected to be effective September 1, 2021. The research work will focus on performance of reinforced concrete three-sided culverts and deep foundations .

Accountabilities of the Role:

The successful applicant will analyze available field data on a large-span three-sided culvert. He/she will develop advanced finite element numerical models to simulate the monitored structure and investigate the influence of other relevant parameters. A particular focus will be on investigating the structural performance at service and ultimate loading conditions, the applied earth pressures, and the development of design guidelines, behaviour of piles.

Educational Requirements necessary for the Role:

- PhD in geotechnical, civil engineering, or a closely related discipline.
- Knowledge of structural performance of buried structures and soil-structure interaction.
- Significant experience in the finite element method and numerical modeling.
- A strong publication record in peer-reviewed journals.

Number of Opportunities: 1

Proposed Start Date: 09/01/2021

Length of Appointment: One year (extendable to two years)

Please note that the length of appointment may change.

How to Apply:

Interested candidates should contact Prof., Hesham El Naggar at naggar@uwo.ca (Subject "ATTN: Postdoctoral Application") and include a CV, cover letter, and contacts for three references.

Posting Expires: August 22, 2021

Note: Postings must be publicly available for a minimum of 10 days.