

Experimental and Theoretical Investigation on the Structural and Hygrothermal Performance of Exterior Walls

PROJECT DESCRIPTION

This research project aims to provide design guidelines for exterior walls that have optimal integrated hygrothermal and structural performance. Some ideal wall configurations and their corresponding suitable material properties will be proposed. Different scenarios of vapor/water trapping and associated damage assessment will be investigated. Students from the CSC summer program will help with the experimental and theoretical investigation.

FACULTY-DEPARTMENT

Engineering- Civil and Environmental Engineering

DESIRED FIELD OF (STUDENT) STUDY

Engineering in general, but civil and mechanical engineering fit the best

INTERNSHIP LOCATION

University of Alberta Main Campus - Edmonton

NUMBER OF INTERNSHIP POSITIONS

1 to 2

INTERNSHIP START DATE

July 4

INTERNSHIP END DATE

3 months after start date

Contact: Brendan Cavanagh, Internship Coordinator (Inbound)
University of Alberta International
intern@ualberta.ca

ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.