

Building Information Models based Building Energy Management

PROJECT DESCRIPTION

With enriched building information collected throughout a building's life cycle, building information models (BIM) can be utilized to support building operation management by providing miscellaneous information to energy modelling and control systems. In addition, BIM provides an inventive approach to improve information visualization of building performance. As such, BIM technologies provide a promising solution to enhance building operation, which leads to energy saving for buildings. The project aims to develop a digital platform that enables continuous update of BIM models with real-time building operation information (occupancy density, lighting, ventilation, etc.).

FACULTY-DEPARTMENT

Engineering- Civil and Environmental Engineering

DESIRED FIELD OF (STUDENT) STUDY

Engineering and Architecture in general, but computer and electrical 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 the start date

ARE THE DATES FLEXIBLE?

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

Contact: Brendan Cavanagh, Internship Coordinator (Inbound)
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