

Novel Wearable Technologies for Sportive Performance Assessment

PROJECT DESCRIPTION

"Professional sports, sportive equipment design, and protective equipment design create a major market and potential for R&D activities. Sportive performance evaluation for the purpose of improving the athletic performance as well as injury prevention is usually performed based on the coach's observation. However, the coach's observation is frequent subjective and cannot capture slight motion pattern changes. Wearable technologies create a significant opportunity for sportive performance evaluation in the field.

The objective of this project is to develop wearable technologies for sportive performance assessment in sportive fields. These technologies will enable the coach and the training team to better assess the performance of the athletes and reduce the risk of injuries. This project will be completed in collaboration with physical education scientists at the University of Alberta. In long-term, the wearable technology will be developed and delivered towards technology transfer."

FACULTY-DEPARTMENT

Engineering - Mechanical Engineering

DESIRED FIELD OF (STUDENT) STUDY

Mechanical Engineering, Electrical Engineering, Biomedical Engineering, Computer Engineering

INTERNSHIP LOCATION

University of Alberta Main Campus - Edmonton

NUMBER OF INTERNSHIP POSITIONS

3

INTERNSHIP START DATE

July 4, 2018

INTERNSHIP END DATE

Oct 4, 2018

Contact: Brendan Cavanagh, Internship Coordinator (Inbound)
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ARE THE DATES FLEXIBLE?

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