

# Energy Harvesting Integration and Control for IoT Devices

## PROJECT DESCRIPTION

The project consists of a practical and a theoretical component. The practical is the integration of energy harvesting and associated control actions in a low power wireless sensor platform. The theoretical is the study of networks of devices similar to the one implemented with respect to their ability to route data traffic and power manage themselves using distributed algorithms.

## FACULTY-DEPARTMENT

Science - Computing Science

## OPEN TO STUDENTS FROM THE FOLLOWING INSTITUTIONS

Chinese universities participating in the [Double First-Class Initiative](#).

## DESIRED FIELD OF STUDENT STUDY

Computer Science, Computer and Electrical Engineering, Information Technology

## INTERNSHIP LOCATION

Edmonton Campus

## NUMBER OF INTERNSHIP POSITIONS

1

## INTERNSHIP DATES

Start: July 2, 2019

End: October 2, 2019

## ARE THE DATES FLEXIBLE?

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