

Design of ice sheet making machine

PROJECT DESCRIPTION

This project considers the important problem of thin film sheet manufacturing which is primary applied for the manufacturing of the silicon sheets for solar panels. The main goal of the project is to design the thin film sheet machine which will generate ice sheets and which will be realized as solidification of water by pulling the thin film sheet out of water tank. One can envision the water tank which is at upper edge in contact with the cooled cylinder which rotates and provides slow motion and solidification of the ice sheet. In this way, we mimic important process of Silicon sheet forming process.

FACULTY-DEPARTMENT

Engineering - Chemical and Materials

OPEN TO STUDENTS FROM THE FOLLOWING INSTITUTIONS

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

DESIRED FIELD OF STUDENT STUDY

Mechanical, Electrical, Automation, Chemical

INTERNSHIP LOCATION

Edmonton Campus

NUMBER OF INTERNSHIP POSITIONS

2

INTERNSHIP DATES

Start: July 20, 2019

End: October 20, 2019

ARE THE DATES FLEXIBLE?

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