# Experimental Testing of Boundary Layer Control in a Wind Tunnel

## Project Description

This project will involve using piezoelectric actuators in the boundary layer of wing to study their effect on drag and lift. This project will involve experimental testing in the wind tunnel and some or all of: interfacing laser measurement systems to control hardware, data analysis, or actuator setup.

## Faculty-Department

Engineering-Mechanical Engineering

## Desired Field of (Student) Study

Knowledge Mechanical Engineering with knowledge of Fluid Mechanics and ability to do experimental work

## Internship Location

University of Alberta Main Campus - Edmonton

## Number of Internship Positions

1

## Internship Start Date

January 8, 2018

## Internship End Date

12 weeks from start date

## Are the Dates Flexible?

Yes