

# Airfoil Design for Low-Reynolds Number

Christopher Ong, Mechanical Engineering, Senior

Maria-Isabel Carnasciali, Ph.D., Assistant Professor, Mechanical Engineering

## Introduction

## Case Verification

The airfoil that was selected for the case study was the E193 “sailfoil”. This airfoil was designed and tested at velocity range of 1 – 10 m/s by the Aerospace Department at <sub>1</sub>



## Methodology

For many applications, the use of Computational Fluid Dynamic (CFD) tools become cost effective and useful to test simple geometries such as an airfoil with any major time constraints. CFD follows these steps:

