ME 492 PROJECT ANNOUNCEMENT

Title: Design, Analysis, and Construction of an Actual Size Prototype of a Supercharger System for Internal Combustion Engines

Position Ref: SPCH

Positions Available: 1 student (continuing project)

Work Description:
Superchargers are used to increase the power output of internal combustion engines by providing more air than the original engine can normally supply, which, in turn, enables the system to burn more fuel in the same chamber. Current supercharger models are efficient only in certain ranges of motor speed.

The idea of this project is to actively control the supercharger in order to get better performance over the full range of motor speed.

Some or all of the following may be involved:
- Design: Conceptual Design, Detailed Design.
- Prototype Construction:
- Patenting Procedures.