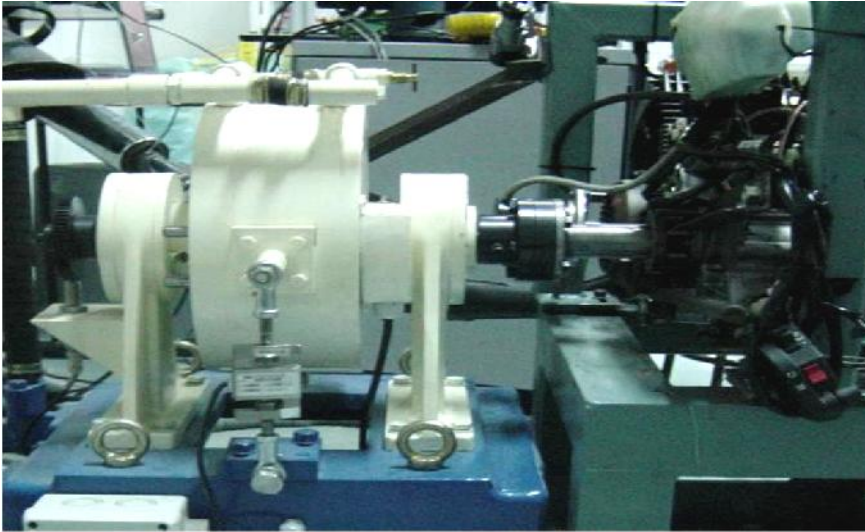


DYNAMOMETRY & ENGINE TESTING



This seminar will cover Dynamometry and Engine testing technologies. Emphasis is on the various kinds of dynamometers, how measurements are made, and how this is related with actual vehicle usage.

Part 1. Dynamometry Basics

What is a Dynamometer?

Why do we need to Dyno test engines?

Dynamometer Designs

Part 2. Measurements

Measurements: Cycle Averaged vs. Crank Angle Resolved

Instrumentation Issues

Testing: Steady State vs. Transient

Controllers

Dyno Dynamics

Maintenance

Part 3. Drive Cycles Analysis

Drive Cycles

Determination of test points

Testing and Weighing of data

Part 4 . Dynamometry Case Studies

USA

Philippines

Malaysia

