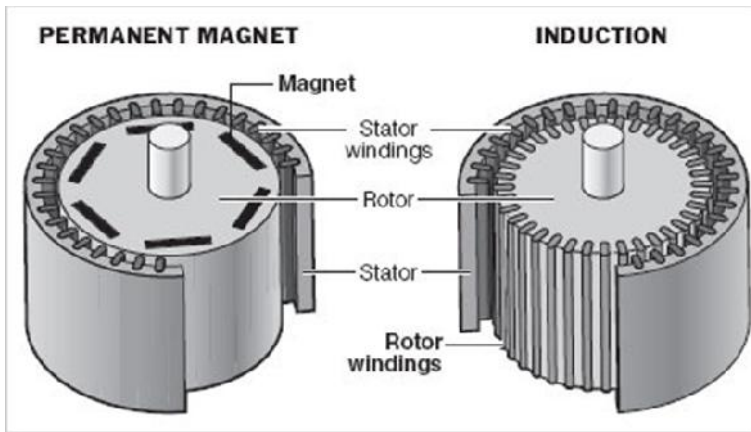


INDUSTRIAL ELECTRIC MOTOR EFFICIENCY MEASUREMENT & CONTROL



This seminar gives an overview of electric vehicles as to highlight the current “state of the art” of EV’s and their associated problems. Engine performance data from a wide variety of internal combustion engines, as well as electric motors is presented, and matched to the vehicle model to determine the ultimate energy consumption in km/liter of fuel, or km/kWh of electrical energy.

Covered Topics Include:

- AC Induction Motors Characteristics
- Load Characteristics
- Load Source Matching
- Efficiency Measurements: Dynamometer and In The Field
- Efficiency Improvements:
 - * Proper Sizing
 - * High Efficiency Motors
 - * Voltage Reduction
 - * VFD (Inverters)
 - * Power Factor Corrections
- Economics and ROI calculations

