Optimization & Control for HEV

This 8-hour self-paced seminar on DVD is a component of the ME7384 course in the Advanced Propulsion series, and is focused on optimization and control of advanced propulsion systems in hybrid-electric vehicles.

Specific topics from the graduate credit course are also offered as non-credit seminars in condensed format.

Lectures from this seminar will cover the following topics:

• Design optimization concepts
• Design of HEV drive architectures
• Principles of optimization
• Techniques for solving constrained optimization issues
• HEV control design ideas for direct & supervisory control
• HEV control case study

Prerequisite: No control expertise is required to take the seminar.

Ohio State University’s automotive engineering certificates include international collaboration with European partners, Swiss Federal Institute, ETH, and University of Stuttgart, as well as with Asian partner, Korean Advanced Institute of Science and Technology.

For detailed information on Ohio State University’s graduate-level automotive engineering certificates, visit our web site listed below to view overviews on the 3 automotive certificates, credit courses and non-credit seminars.