Please join us for the next seminar in the Hyundai Distinguished Lecturer Series, hosted by:

The Hyundai Center of Excellence in Vehicle Dynamic Systems & Control
Department of Mechanical and Aerospace Engineering, UC Davis

Speaker:

**DAN WILLIAMS, Ph.D., P.E.**
Chief Engineer, Advanced Engineering
TRW Commercial Steering Systems

**Title:** Advances in Automatic and Artificial Vehicle Steering Systems

**Abstract:**

Vehicle steering is in the midst of a dramatic transformation. Automatic control theory combined with low cost sensors and actuators allow artificial steering feedback to be offered on vehicles to improve driver comfort and performance, first by TRW and more recently by others. In parallel to this torque control system, autonomous vehicles demand closed loop control of steering displacement. The evolution of vehicle steering from open loop hydraulic assist to closed loop control will be discussed. The advantage of synthetic torque feedback will be presented. The integration of electronically controlled steering with other vehicle systems will be addressed.

Date: November 6th, 2014
Time: 4:10-5:00 PM
Location: UC Davis Campus, Bainer Hall Room 1062

Refreshments will be served.