

HYBRID POWERTRAIN SIMULATION & DEMONSTRATION

The University of Idaho and NIATT is beginning a 3-year interdisciplinary study of hybrid power train technology. We seek to develop a thorough analytical and empirical understanding leading to cutting edge application of hybrid technology in a ground transportation vehicle. This project involves the selection and integration of mechanical hardware, engine technology, electrical machines, sensors, and the development of hardware/software for measurement and control of a demonstration hybrid power train. The design team will work in conjunction with of three graduate students (2 ME's and 1 ECE) who will be pursuing complementary hybrid technology topics. The design team will build on results of a previous senior design team that designed and fabricated a miniature testbed involving multiple motors

http://seniordesign.engr.uidaho.edu/2008_2009/hyrollers/