

# MAE 189: Racecar Engineering - Formula Hybrid 2009 & UCI Dept. of Transportation Hijet Electrical Conversion



Team Lead: Alex Arredondo (ME)

Team Members: Ryan Greenfield (ME)  
Aaron Simpson (ME)  
James Feng (ME)  
Justin Russel (ME)



Advisors: J. Michael McCarthy (ME), Robert Smith (AE)

Team Manager: Michael Palermo (ME)



## Hijet Truck Rebuild

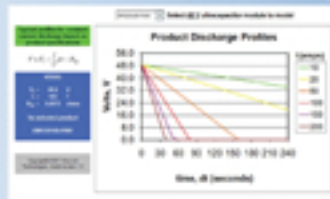
Team Lead: Steven Roling (ME)

Team Members: Jason McFarland (ME)  
Masahito Matsuura (ME)  
Galen Ko (ME/MSE)  
Brian Warner (ME)



Goal: Modify 2008 Formula Hybrid Racecar to Improve Electrical System and Brake Performance, Steering and Driver Interface

Goal: Retrofit UCI Department of Transportation Vehicle To Run On Electrical Power



Future Work: Install New Motor Controller and High Voltage and Current Wiring, Change Steering, Engineer Removable Front Bulkhead For Shipping To Competition

Future Work: Test Electrical Equipment on Dynamometer, Fabricate Electrical and Powertrain Mounts, Install new Equipment and Test