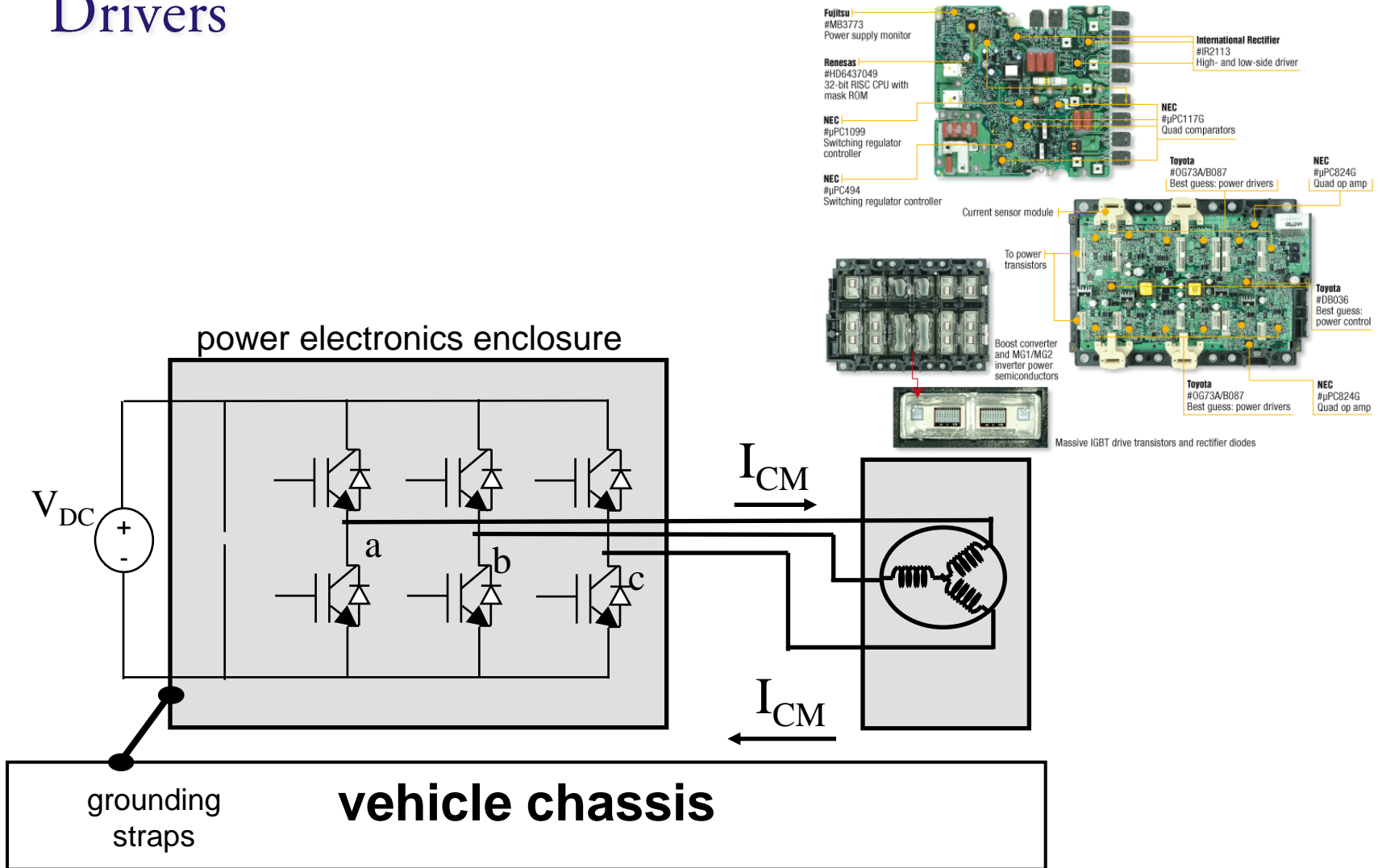

Active Load Balancing to Reduce Emissions from Power Inverters and Motor Drivers

Todd Hubing

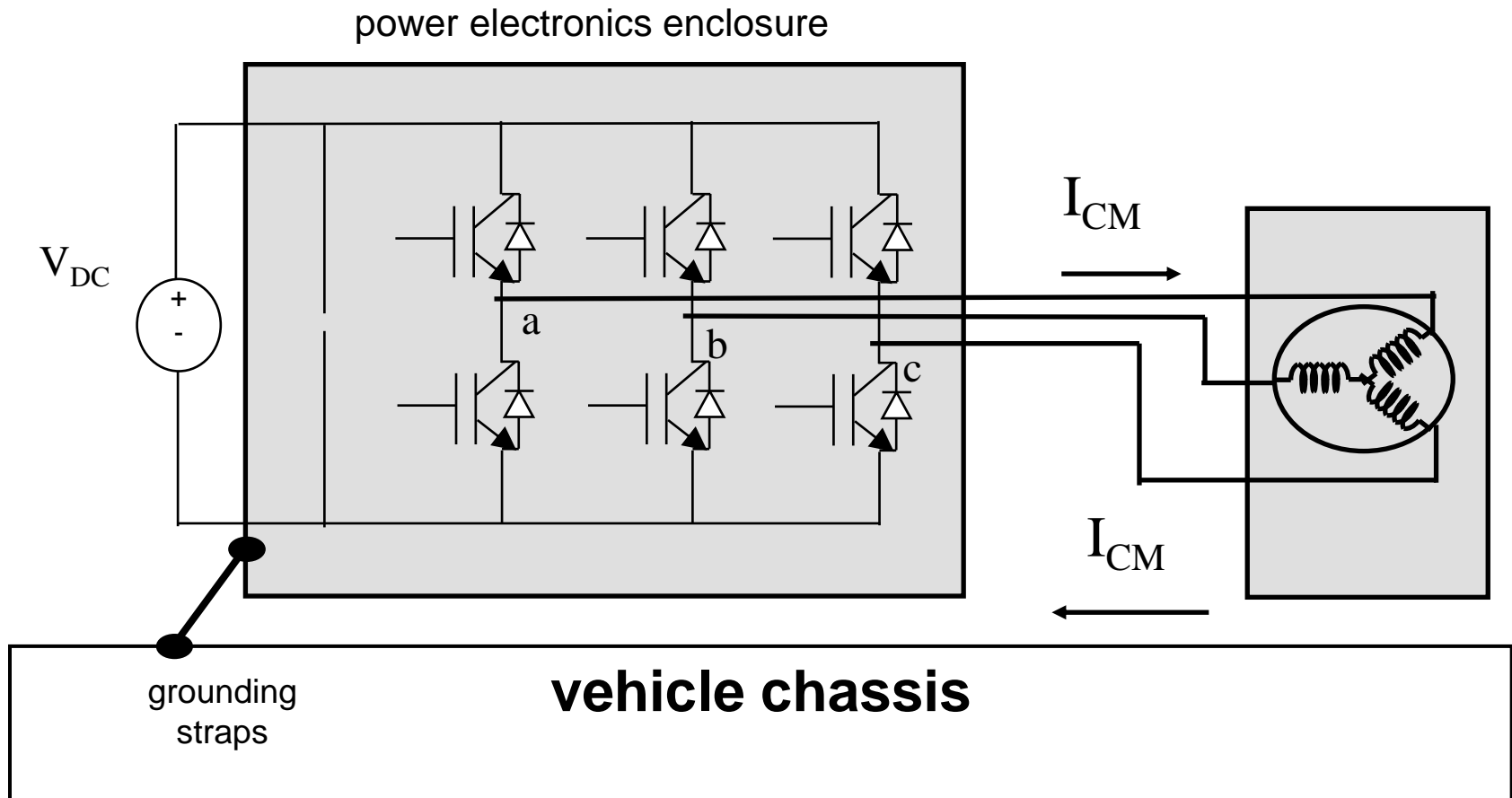
**Clemson Vehicular Electronics Laboratory
Clemson University**



A Problem with Existing Power Inverters and Motor Drivers



A Problem with Existing Power Inverters and Motor Drivers



Project Proposal

- ❑ Develop a voltage-controlled capacitor suitable for load balancing applications in power inverters and motor drivers.
 - Define the target application
 - Review available capacitor/switch technologies
 - Design capacitor and build a prototype
 - Evaluate prototype
 - Patent and/or publish results