Morning Lab Notes

Major Design Decisions:

- Smart Charger will include balancing algorithm
- ICD has separate charging and discharging design
- Cart in corner of room will be used for testing purposes

Other Notes:

A lot of work was done on finalizing the top-level diagram of the system. It should be noted, especially for the Charge/Discharge team that we have decided to go with the idea of a smart charger. A memo should be written up and posted to the website shortly. However, this vastly simplifies the system while in the discharge state. Additionally, the top level of the ICD as a block diagram can now be found on the System Design homepage (under subsystem).

Additionally, Tony continued working on creating the circuitry for the sensors, while Amira and Prarthana continued to run trial programs on the PIC. Tony has an almost complete DX designer of his circuitry that includes multiple levels.

Jack and Jake worked on finalizing designs of the safety loop. The diagram can be found on the Safety Loop homepage (under subsystem). Additionally, they started specing out the power supply and power supply cable for the Grounded Low Voltage System.

A projected budget is close to being finalized, however we are still missing data on any of the packaging. These are the most difficult mainly because we haven’t really put much thought into how everything will be put together.