

Lightning Riders
Team Meeting Minutes 1/24/07
By: Stephen Govea

1. Vince Cano was unable to attend due to a one-time scheduling conflict with another commitment; we anticipate that he will be in attendance at the next meeting.
2. Discussion of expected progress by the first design review by subsystem:
 - Battery Charger & Battery Pack – we are considering using a different battery technology (NiMH) for our system, which would necessitate a redesign of the battery charging circuitry. Either way, such a system will need to intelligently charge based on temperature and voltage sensors. We are working to nail down the exact design within the next two weeks. We expect to demonstrate a proof of concept battery charger and pack at the first design review that can be scaled up to meet the needs of the final system.
 - Mechanical – we have scheduled a meeting with Greg Brown at a local electric motor shop to discuss the mounting plate for the motor and hope to enlist their help with machining these components. As of the first design review, the mounting scheme will be complete and we will have an idea of where each major subsystem will be mounted on the motorcycle frame.
 - Software – as of the first design review, we will have a working prototype system that will demonstrate each facet of communication used in our project. The basic components will all be in place, though further integration and development will be needed for the final design.
3. Other news:
 - We have a possible contact from Dale Gerhardt racing who contact Dr. Berry regarding the now defunct electric race car project. Dr. Schafer will forward on the contact information.
 - Dr. Schafer noted potential challenges with our current sensing devices as far as physically mounting them on circuit boards. We will need to keep the physical connections in mind as we design the systems.
 - Recommend that we schedule a meeting with Joan Brennecke to provide her an update on our progress and head off any potential problems through mis or non communication.
4. The next meeting is scheduled with Dr. Schafer for 10am in the ELC on 1/31/08.