



Amanda McAlpin – Outreach Coordinator

Challenge X News:

Well, the team finally got Report #2 submitted, where we justified our selection of a through-the-road parallel, hybrid-electric vehicle architecture utilizing a small Diesel engine driving the front wheels along with a permanent magnet electric motor to drive the rear wheels. The engine will be powered by B20 biodiesel and the electric motor by a NiMH battery pack. Through the use of PSAT simulations, the team predicts the MSU Equinox will offer a 39% improvement in fuel economy and a 20% improvement in acceleration performance.

The team is relieved to have Report #2 completed, but with the next deliverables fast approaching, there is no time to rest. Besides completing those dreaded final exams, the team is currently working diligently toward procuring the powertrain components that will be needed to build the MSU Equinox powertrain subsystem. The team plans to use the extra time during the Holidays to procure several critical powertrain items that require extended delivery lead times.

The MSU cX Outreach Group also submitted their first competition deliverable Nov. 30. Our Outreach group submitted a report on our team website and outreach activities. Great job Outreach Group! Speaking of the Outreach Group, please welcome Brent Lape to our cX team. Brent is a Senior Graphics Design major who will be our new MSU cX webmaster.

As stated above in the Upcoming Events section, we are planning a big Spring semester kick-off event scheduled for January 13 to help get us all started off right in 2005!

Well that's going to do it for the final newsletter of 2004. We hope everyone has a very Merry Christmas and Happy New Year!

Upcoming Events:

Winter Workshop – Jan 5-8

Team Meeting January 13, at 5:30 in CAVS Seminar Room

Christmas!!!

Website Updates:

Challenge X Report #2 is now posted

Outreach Report #1 is posted

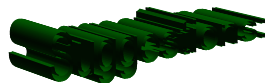
Password pop-up window now corrected not to pop up until going into password protected section of site thanks to Kennabec Walp.

Atta-DAWGS:

Great job Brandon Witbeck and Jennifer Brou on the vehicle layout for Report #2.

Thanks to Amanda McAlpin for assembling an excellent Challenge X outreach report #1

Thanks to Bob Kirkland of CAVS for working on obtaining tool discounts and donations for the MSU Challenge X team.



We are always concerned about what we can do to improve your experience with Challenge X. If you have any suggestions for how we could improve the competition experience for you, please email Justin Crapps at jcrapps@cavs.msstate.edu