

October 2013



UNIVERSITY OF MICHIGAN
SUPERMILEAGE

Editor: Agney Deshpande

Upcoming Design Reviews

Engine Design Review

Tuesday,
November 5th,
6:30 PM,
1003 EECS

Race Strategy Design Review

Thursday,
November 7th,
6:30 PM
1003 EECS

Subteam Updates: Body Team

Body Team has been hard at work this year! They have already designed the upcoming body, and they recently finished the CNC machining of the vehicle mold. From Body Team lead, senior Ted Lee: "The design this year is better in terms of aerodynamics (drag coefficient) and should also have a better turning radius compared to last year's model since we have more area to work within the wheel

fairings." Now, Body Team is going to start putting together the mold, which means lots of sanding and Bondo! It's one of the lengthiest, but most important parts of our process to make sure that the vehicle is as aerodynamic as possible. The mold finishing is a hands-on procedure that everyone on Supermileage can participate in. Body team can always use more

hands! This year, we are excited to have a hollow mold. Not only does this conserve the amount of tooling board that we use, but our mold is now light enough to be handled by two people!

Sponsor Highlight: Pi Innovo

Pi Innovo is an electronics systems designer for automotive, transportation, defense, industrial and aviation industries. They are based on the Pi Team services, which works to develop vehicle electronics systems, and the OpenECU products. OpenECU includes creating modular, reusable technology that is easy to customize and adaptable.

This modular, customizable focus is one of the things that drew the

Supermileage team to working with Pi Innovo. One of our goals this year is to implement a modular system into our vehicle, allowing us to switch parts between vehicles. This will also give us the opportunity to try new designs and test our vehicle with ease.

Engine Team has already been working with OpenECU, learning how to use the engine controller from Pi Innovo engineer Allan Watson. Pi Innovo has generously provided us with tuning



software, and we are using an engine controller and harness produced by them as well.

Special thank to Pi Innovo for their support and mentorship as they help us achieve our goal of 3,300 miles per gallon!

Member News



Supermileage has many new members this year from all over campus! Our ranks include Mechanical Engineers, Industrial And Operations Engineers, Electrical Engineers, Computer Scientists, Materials Engineers, and a Biophysics Major from the College of LS&A. To celebrate and introduce the team, we took the new members to Talladay Corn Maze in Milan, MI. It was a great way for members to

bond in a relaxed setting. Plus, everyone got to enjoy cider, donuts and a bonfire at the nearby Wasem Fruit Farm. Luckily, we didn't lose any members in the maze!



"I joined Supermileage because not only do we have clear and attainable goals, we are also a smaller group than most other teams on campus. I thought that would help me gain more knowledge and hands-on experience from the time and effort I put in, and feel like a useful member of the team.

-Madison Strauss
New Member,
Undecided

As a freshman, Supermileage is a great way for me to get involved with a real-life engineering project as soon as possible. Not only am I surrounded by brilliant undergraduate and graduate students, but these people are relatable and really fun to be around!

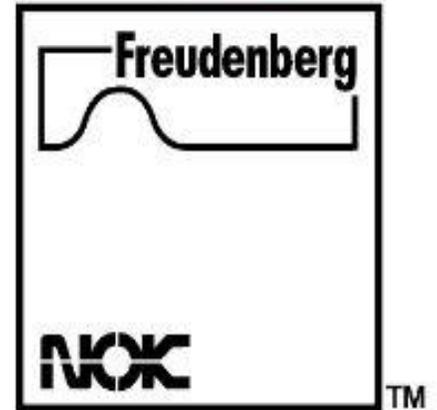
-Henry Grierson
New Member,
Undecided



Michigan



Pi Innovo



Contact Information

Public Relations Lead:

Agney Deshpande
agney@umich.edu
(517)648-6852

Website

<http://umsm.engin.umich.edu/>

Mailing Address

UM Supermileage Team
Wilson Student
Team Project Center
2603 Draper, Ann Arbor
MI, 48109-2101

Sponsorship Leads

Antonio Menendez
amenende@umich.edu

Tanim Islam
tanimi@umich.edu

To be added to the Newsletter mailing list, please
contact umsupermileage.media@gmail.com