

March 2014



UNIVERSITY OF MICHIGAN  
SUPERMILEAGE

Editor: Agney Deshpande

## Shell Eco-marathon

Shell Eco-Marathon Send-Off Event  
Thursday, April 4<sup>th</sup>, 9:00 AM  
Cobo Center Atrium, Detroit

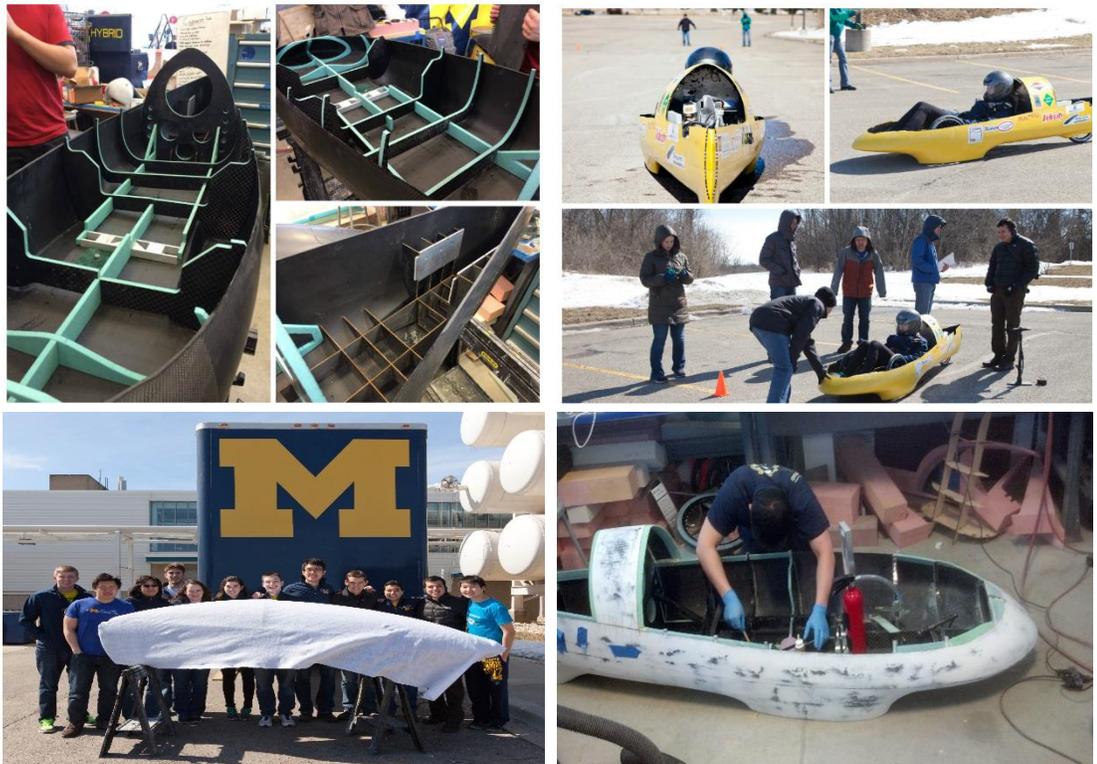
University Vehicle Unveiling Event  
Friday, April 5<sup>th</sup>, 10:00 AM – 4:00 PM,  
Duderstadt Center Portico, North Campus

Take a look at our fiberglass layup process on Youtube!

<http://goo.gl/BpSW10>

Our first competition of the season is approaching soon! Shell Eco-marathon is a high school and collegiate competition put on by Shell Global. It takes place in Houston, Texas on April 25<sup>th</sup>-27<sup>th</sup>. The 2014 season will be the 8<sup>th</sup> year of competition, and our second time competing. Shell Eco-marathon has two categories, Prototype and Urban Concept, and allows several different energy types. UM Supermileage competes in the Prototype race using gasoline. The race is run on the streets of downtown Houston, a .6 mile urban track around Discovery Park Green. Each team must compete 10 laps in order to have a qualifying run. The current North American mileage record was attained at shell Eco-marathon 2013 by Université Laval. Unlike SAE Supermileage, our other competition, scores in Eco-marathon are determined solely on mileage; vehicle design is not a factor. However, the competition offers several “Off-Track Awards” including commendations in Vehicle Design, Technical Innovation, and Safety.

Last year, our first time at the competition, UM Supermileage attained 275 miles per gallon at Shell Eco-marathon. This “low” mileage was attributed to poor wheel alignment and high brake scrubbing. This year, in our newly manufactured vehicle, Cypress, we expect to achieve approximately 2,300 MPG.



## Sponsor Highlight: Shell Global



Shell is a worldwide group of energy and petrochemical providers. Their focus is to meet global energy needs in a responsible way while exploring and developing

new technologies. In 2012, Shell invested over a billion dollars in research and development and more than two billion over the past five years developing alternative energies, carbon capture and storage. Shell hosts the Shell Eco-marathon event every year, one of the events that the University of Michigan Supermileage team competes in. What started

in 1939 as a friendly bet between two Shell research scientists has evolved into a global event spanning three continents and driving innovation for sustainable mobility. Student teams from all over the world compete to see who can go the furthest with the least amount of fuel. This year Shell is also hosting a special send-off

and has invited UM Supermileage to unveil our finished vehicle. The event is 9:00 am April 3rd at the Cobo Center in Detroit. Shell officials will also be announcing a new and exciting change to future Eco-marathon competitions at the send off event!

## Meet Some New Leads

**Daniel Lee**



**Position:** Internal Affairs

**Major:** Freshman engineering

**What he's excited about:**

I'm excited to become Internal Affairs Chair because I get to work closely with all the sub teams and really get into the gears of the machine that is Supermileage.

**Why he joined:**

I decided to join Supermileage because I thought it would be a great opportunity to work with a team and learn the hands on portions of engineering that can't really be replicated in a classroom. It's also a great way to meet and work with upperclassmen and learn from them.

**Favorite Pudding:**

Chocolate.

**Agney Deshpande**



**Position:** Race Strategy Team Officer

**Major:** Sophomore, Industrial and Operations Engineering

**What he's excited about:**

I'm excited to take this team into its 5th year; as we gain experience, Race Strategy becomes a more important component of what makes us competitive. I am also looking forward to validating our assumptions with testing.

**Why he joined:**

I am enthusiastic about our project because it has direct, current applications to the real world. We aren't using new technology, just applying it in different ways. I can tell that the older members are passionate about the project and that they want us to learn as much as they have.

**Favorite Pudding:** Tapioca

**Madison Strauss**



**Position:** DII Team Officer

**Major:** Freshman, Mechanical Engineering

**What she's excited about:**

I have been working with John, the current DII lead, on a few new things to possibly incorporate into the car for next year. So, I'm excited to continue developing those ideas, getting us closer to our ultimate mileage goal!

**Why she joined:**

I decided to join Supermileage because there were opportunities for me to do meaningful work on a small team. I knew I wanted to join a car based design team, I felt like I needed to find what I was interested in specifically, and being on a small team has really allowed me to do that.

**Favorite Pudding:**

I really hate pudding, a lot.



### Contact Information

**Public Relations Lead:**

**Website**

**Mailing Address**

Agney Deshpande  
[agney@umich.edu](mailto:agney@umich.edu)  
(517)648-6852

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

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

**Sponsorship Leads**  
Antonio Menendez  
[amenende@umich.edu](mailto:amenende@umich.edu)

Tanim Islam  
[tanimi@umich.edu](mailto:tanimi@umich.edu)

To be added to the Newsletter mailing list, please  
contact [umsupermileage.media@gmail.com](mailto:umsupermileage.media@gmail.com)