



CLEMSON FORMULA SAE

TEAM NEWSLETTER

Volume 17

Issue 4

MIDSPRING NEWSLETTER

APRIL 11TH @ CUICAR

1ST ANNUAL CLEMSON SAE TEAMS UNVEILING NIGHT!

Burns Stainless sent us new custom mufflers and stainless steel tubing at an FSAE discount for building Tiger16's all new pipes! More build updates in this issue!

... details on page

2

2

Michelin Donates a Truck to CUFSAE!

4

TRD Lends Some Fab Help!

3

Welcome to Airtech, CompositesOne, Textreme and Axiom!

4

New Equipment Helps CUFSAE Build Faster, Better

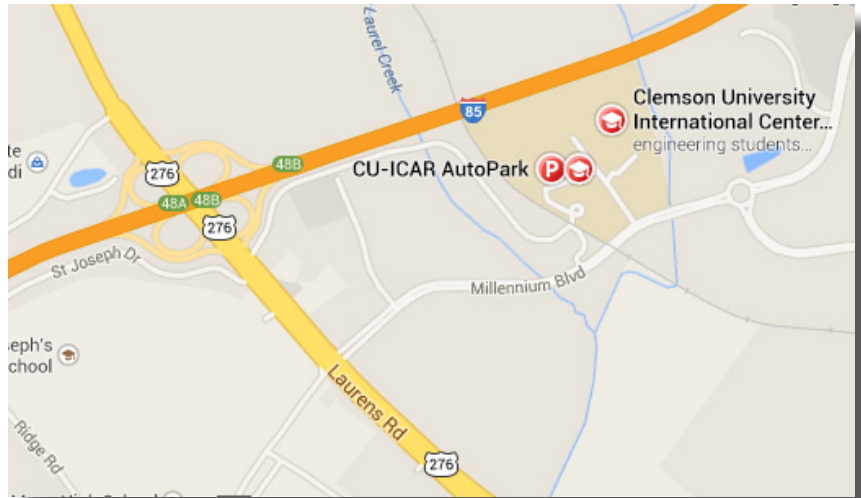


1ST ANNUAL CLEMSON SAE UNVEILING CEREMONY

We're very excited to announce that we will be hosting the very first Clemson SAE Student Design Teams Unveiling Ceremony in the AT&T Auditorium of the Campbell Graduate Center at the Clemson University International Center for Automotive Research! The event will be taking place on April 11th and open at 4pm for a reception with refreshments and hors d'oeuvres. The unveilings will begin at 5pm with a half hour presentation from each team, Baja SAE and Formula SAE, about their respective designs. The event will conclude after the presentations. We hope you will consider joining us, because we would be honored to have all of our supporters in attendance for such a momentous occasion!

Please contact us for more information, or visit our event page at:

<http://www.eventbrite.com/e/2014-clemson-formula-sae-unveiling-tickets-10919700117>



*Clemson University International Center
for Automotive Research (CU-ICAR)
4 Research Dr
Greenville, SC 29607*

When: Friday, April 11th @ 4:00pm - 6:00pm

Hors d'oeuvres and refreshments will be served

CUFSAE GETS ITS OWN TOW VEHICLE!



After a solid work life at Michelin's Laurens Proving Grounds as a test support truck, Michelin decided to donate a Dodge Ram 2500 to Clemson Formula SAE. Having our own truck to pull the trailer to local events as well as our competitions in Michigan and Nebraska has been a dream for years, and it has finally come true! The truck donation will help the team save approximately \$2,000 in truck rental fees per year, and will remove the team's reliance on members' personal trucks for towing the team trailer to local testing and competition events.

NEW COMPOSITES SPONSORS FOR CUFSAE

We're very excited to announce four new sponsors for CUFSAE; all of which will be assisting the team with our composites part fabrication. With the help of CUFSAE alumnus, Andy Miller, we have partnered with Composites One, Axiom, Airtech Advanced Materials, and Textreme for the 2014 Formula SAE racing season! Material donations are coming from a joint donation by Composites One and Axiom in the form of prepreg carbon fabric, and Textreme will supply a roll of their lightweight and strong spread-tow carbon fiber fabric. In order to put it all together, Airtech has supplied all of the materials required to vacuum bag and cure our carbon fiber parts.

As Formula SAE, and the automotive industry, integrates more and more carbon fiber into each successive generation of cars, the donations from these companies not only lets us build a lighter and stronger car, but also gives our students exposure to the materials that they will encounter in their future careers as engineers inside and out of the automotive industry. Thank you for your help, Textreme, Axiom, Composites One, and Airtech!



Tiger16's sidepods are put in our oven to cure, vacuum bagged using Airtech bagging materials!



*Right:
The fiberglass,
female mold
for one of the
sidepods cures
on the foam
pattern cut by
our students*

*Center:
Our bodywork
guys like to
have a lot of
fun too!*



TOYOTA RACING DEVELOPMENT LENDS A HAND

We try to do as much of our own fabrication in-house as possible, but sometimes a lighter or better design requires more complex work than is possible for us to complete in house. In these instances, we turn to our faithful supporters for help. In this issue of the CUFSAE Newsletter we'd like to shine the spotlight on Toyota Racing Development for their assistance on a couple of fabrication projects that are helping to make the difference for 2014. At right, you can see our differential carriers that allow us to mount the diff to the frame and adjust chain tension. Machined on a CNC at their facility, their help allows us to make parts with complex curves and finish them in a timely manner. Another project completed by TRD: Tiger 16's new gas tank. Thanks, TRD!



NEW LATHE FROM OSS, LLC ADDS TO THE TURNING POWER



In the Fall, Clemson's College of Engineering and Science committed to matching CUFSAE and CU Baja SAE funds for the purchase of a new lathe for the Clemson SAE Activities Facility. The result was a brand new GMC lathe purchased from OSS Ilc, on a discount for our team. We successfully installed the new lathe in late March, and we couldn't be more excited to use it! The new lathe, complete with a digital readout that will measure to .0002" of an inch, will help us to make precise and consistent parts for both team's cars. In addition, our students have an opportunity to use equipment that they are likely to find at the places they will work throughout their career!

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www.CUFSAE.com

