

CLEMSON FORMULA SAE

TEAM NEWSLETTER

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FEBRUARY NEWSLETTER

BRINGING THE HEAT IN GEORGIA!

Heading back to Georgia for the 2nd Annual SPSU FSAE Invitational, CUFSAE brought the heat at a frigid event on the SPSU campus.

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FABRICATION PROGRESS REPORT

The design process is finished and the frame has begun to take shape. The frame has been a breeze to assemble because of the expert craftsmanship in the Technique Inc. laser cut tube kit. The front portion and cockpit of the frame is already complete with the rear end trailing close behind. The powertrain team has begun work refurbishing a Honda f4i engine to use in competition and the out-board, aerodynamics, suspension, and electrical divisions have begun prepping in parallel so that when the chassis is complete, each respective division will be ready for their portion of the build. Small improvements across the design board promise to sum up to one of the best cars turned out of the CUFSAE shop in the last 10 years. With membership retention at record levels, this year has been a strong effort and we fully intend on completing Tiger16 for our April 4th unveiling.



DRIVER TRYOUTS ROUND 1



The first round of driver tryouts for the 2014 Clemson Formula SAE took place at the LeMans Indoor Kart Racing and Meeting Center in Greenville, SC. Fourteen team members came for their chance to drive, the top 8 of which would move onto the next round of tryouts. The tryouts were set up so that the drivers were split into two groups of seven drivers and each group had two practice sessions. After that, each driver was placed in the same kart and ran five laps and the total time of the fastest four laps was the driver's final time. The top 3 finishers in respective order were Kenny Brown, Andy Brown, and Amos Hine. The top 8 drivers will move drive the 2013 formula car in early March to narrow down the field of drivers to four.

WELCOME TO NEW AND RETURNING SPONSORS!

We would like to extend our sincerest gratitude to the following sponsors who have signed on with the Clemson Formula SAE team early in the 2014 season.

Eastman Chemical: Signed on again as a 2014 sponsor and will donate \$2500 to the team for travel and material expenses.

General Plastics: Continued their annual sponsorship donating foam for bodywork molds with a retail value of \$4000.

Brown & Miller Racing Solutions: Bent our rollhoop tubes and extended parts credits valued at \$2000 for their hoses and fittings as well as electrical components through BMRS Wired.

AOC Resins: Supplied the team with Polyester resin and fire-retardant vinyl ester resin for fiberglass and carbon-fiber layup.

Technique Inc: Laser cut and bent our chassis tubes for a second year. Technique works with select Formula SAE teams as well as several NASCAR programs.

Performance SpeedTech: Has agreed to support CUFSAE with \$500 and supply merchandise at cost.

Toyota Racing Development: Purchased 2 sets of Hoosier slicks for FSAE Michigan and FSAE Lincoln and supplied a laptop for the shop.



EASTMAN



GENERAL PLASTICS
MANUFACTURING COMPANY



BMRS
WIRED
RACING ELECTRICAL SOLUTIONS



Brown & Miller Racing Solutions
BMRS
Professional Race Hose & Fittings



AOC
World Leader in Resin Technology



TECHNIQUE
INC.



PST
performancespeedtech.com



TOYOTA RACING DEVELOPMENT
TRD

FUNDRAISING FOR FSAE MICHIGAN AND LINCOLN

As we've noted in previous newsletters, CUFSAE plans on going to competition in Michigan, and an additional competition in Lincoln, Nebraska. We believe that with the Michigan competition as preparation and given the level of competition in Lincoln, this competition will be a strong chance for Clemson University to break into the top five at a formula SAE event.

That being said, travel costs for the Lincoln event will be much greater than that of the Michigan competition due to additional distance and length of stay. We're looking at over \$15,000 in travel costs between the two competitions and we're relying on fundraising to help our members cover the costs. We're working with local restaurants for CUFSAE nights in which we get proceeds and we're working on a crowdfunding site called *experiment.com* to gather donations, which we'll be unveiling in less than two weeks. If you would like to make a donation or have any questions about our crowdfunding site, contact our treasurer Andy Brown at amb2@clemson.edu. We sincerely appreciate any help that you can afford to give.

CUFSAE TAKES FIRST AT SPSU

Despite the bitter cold, the Clemson Formula team managed to heat things up at the SPSU invitational. The Southern Polytechnic State University Formula Team held their 2nd annual invitational event and Mississippi State, SPSU, Clemson, and Georgia Tech were in attendance. The invitational was a mini-competition, featuring a skidpad, autocross, acceleration, and endurance event.

Kenny started the day driving in the acceleration event, in which Clemson finished 2nd. The team then took the car to the skidpad event, where Grey Roberts drove to a 2nd place finish again. Eventually, temperatures rose above freezing and the autocross event was set to begin. Kenny set the fast lap in the event, and CUFSAE went into the endurance event with a 1st place finish from autocross.

Kenny drove the car until midway through the endurance event when the brakes experienced overheating issues. Forced to pull off the track, the Clemson Formula Team had to pack up for the day. However, Kenny had set a fast enough pace at the beginning of his endurance run that the team finished 1st in the event and 1st overall in the competition.



We'd like to thank Southern Polytechnic State University for holding the event once again and for their continued commitment to the invitational. All of the team had a great time competing at the event, and it's great exposure for new members to get in the spirit of FSAE.



Not only did the event feature a full plate of racing events for the FSAE teams, but SPSU also threw a car show right beside the paddock. Even team leader, Kenny Brown, got his car in the show! (Blue Subaru Impreza WRX at left)