

MONTHLY BULL-etin



Lots of New Faces From New Member Meetings



This past month, USF Racing hosted a three part new member meeting lecture series.

On January 22nd, team members gave an introduction about formula SAE. New members got a sense of the team's goals and the design aspect of USF Racing. USF Racing is not just a team that buys and bolts parts all together in the shape of a car. USF Racing designs parts from scratch, like the frame and suspension geometry, the shape and material of the front and rear wings and more. For example, the team uses tire simulation software in the design of the suspension geometry and wind tunnel simulation software in aerodynamic design. Every component on the car has an explanation for the design choices that were made.

On January 29th, new members gravitated to their preferred sub-systems and learned about them. Lectures were lead by design leads.

And in February, workshops will be setup to teach new members how to use various hand tools: how to Solder, how to weld, how to splice wires, how to use the lathe, how to use the mill, and how to layup carbon fiber parts.

The team is excited to see these new members continue to show their determination to learn and stick around.

Continued Success at Andersen Racepark



Two out of three races, on January 23rd and January 30th concluded USF Racing's team karting days. Thank you to all the sponsors who had fun with us! Thank you Scott and Andrew from Engine Armor and Annina and Phillip from Maxi Blast!

USF Racing is now geared up for the driver training sessions starting this February provided by Andersen Racepark.



Maxi-Blast Visit



Annina and Philip from Maxi-Blast came to visit our shop last Friday. We enjoyed talking with them and thanking them for their support. We really appreciate it! Thank you Maxi-Blast!

Engineering Expo Around the Corner

Rumor has it that USF Racing is being given a parking lot on February 19th for the Engineering Expo! The team is going to take advantage of this time to test new components on the car. Mark your calendars if you want to see last year's car in action!

Featured Team Member



Daniel Covillion

Daniel Covillion is our Aerodynamics Lead. He is in charge of the design of the front and rear wings. His makes the car produce the most downforce while having the least amount of drag as possible. This way, our car will stick to the road and reach high speeds.

Daniel is a Senior in the mechanical engineering department who will graduate this Spring. Despite this, he is still able to come with us to competitions his last season. He joined USF Racing in the Fall of 2013. Something he is most proud about doing on the team is his CFD research on Star CCM+. CFD stands for Computational Fluid Dynamics and Star CCM+ is an aerodynamics simulation software provided by CD-adapco. It is pretty much a virtual wind tunnel which we can place the whole assembly of the car.

Question and Answer

How did you join USF Racing?

"I stopped by the shop one day and Brandon and Matt [USF Racing Alumni] started giving orders. I kept coming to the shop and became more involved. I originally started working on the frame, making tabs and working Solidworks. In my 2nd year I took up Star CCM+."

Tell us about yourself!

"I work during the summer at Ball Metal. It's a factory that makes aluminum cans. I am a car person who appreciates all types. I like to autocross, come up with aftermarket parts and enjoy data acquisition."

Dream Car?

"Koenigsegg CCX"

Dream Job?

"Own a business that makes professional racing equipment and parts for street cars."

Look Who's Sponsored Us This Month

Maxi-Blast[®] Inc.

Thank you Maxi Blast for your amazing contribution to our team! We are proud to be your friends. Thanks for coming out for our karting days at Andersen Racepark.

Thank you Maxi-Blast!



Thank you BMRS Wired for your supplies given to our electrical team. Korey Prince and the whole team appreciate your support!

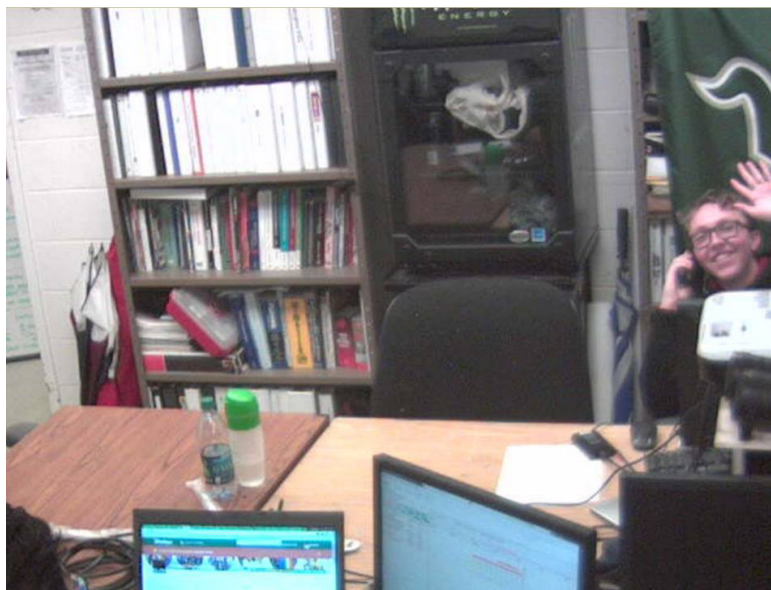
Thank you BMRS Wired!



Thank you Corsa Technique for the discount! Karl Rothe from our Electrical Team appreciates the support!

Thank you Corsa Technique!

Andrew Nelson | USF Formula SAE[®] | usfracing.com
Public Relations Director 2015-16
cell 305.608.0737 | anelson13@mail.usf.edu



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