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*TigerRacing*  
Formula SAE

**LSU** | College of  
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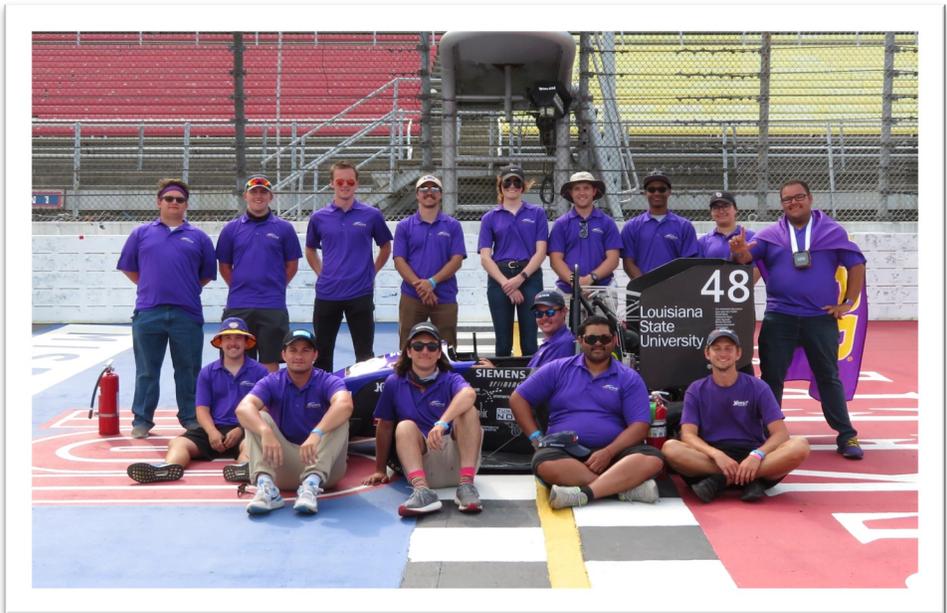
2022 SPONSORSHIP PACKET

# What is TigerRacing?

## A Briefing on Formula SAE

The Formula Society of Automotive Engineers is a student design competition established by the International Society of Automotive Engineers as a non-profit educational experience for college students to not only apply classroom learning, but push the limits of those textbook theories.

Formula SAE promotes careers and excellence in engineering as it encompasses all aspects of the automotive industry including research, design, manufacturing, testing, developing, marketing, management and finances.



## Our Mission as LSU FSAE

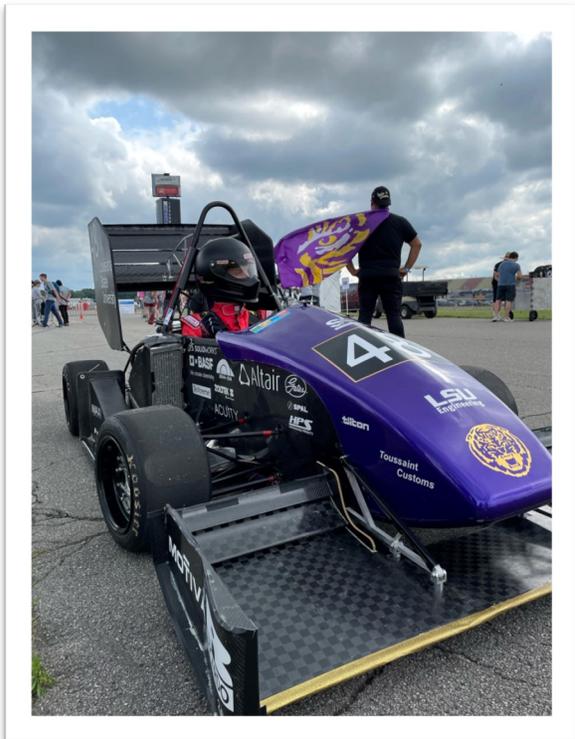
LSU Formula SAE began its history as a mechanical engineering senior design project. In 2012, two students noticed the potential of Formula SAE as a learning tool for all students, and formed the TigerRacing Formula SAE team with this goal:

*“to recognize and promote valuable technical, communication, organizational, and teamwork skills that are vital to the success of professional careers”*

TigerRacing accomplishes this goal by blending knowledge gained here at LSU, each member’s individual talent, and the passion all Tigers share to succeed. “It’s not just a club, it’s a passion” appears on our recruiting flyer and has successfully drawn new talent each year since the club’s inception.

The team ranges from freshmen to senior students in various majors: mechanical, electrical, petroleum, and civil engineering, as well as business, English, and public relations. Collaborating with this diverse group of students, the team steadily improves its competitiveness in various FSAE competitions across the United States.

The team has progressed from its first competition as a club ranking 73rd overall in the 2013 Michigan competition to our highest Michigan Competition placement of 10th overall in 2021.



# Competition Events and Results

## The Competition

Formula SAE teams compete in the role of companies contracted to design, manufacture, and test a prototype of a small formula-style racecar. The racecar is intended for commercial production with sales targeting the amateur weekend autocross racer. The racecar is designed based on a set of specifications outlined in the rules manual. A panel of judges who are leaders in the automotive industry evaluate the car and company through a series of dynamic and static testing. During dynamic testing, the vehicle is tested on acceleration, handling, and reliability. Four events govern the dynamic portion of the competition: autocross, acceleration, skid pad, and endurance. During static events, the teams present their cost report, business, and design presentations.



## Formula SAE Series in Michigan Results

Event	2017	2018	2019	2021
Autocross	52nd	20th	19th	15th
Acceleration	39th	5th	24th	14th
Skid Pad	38th	49th	39th	11th
Design Presentation	18th	17th	79th	54th
Business Presentation	24th	7th	62nd	93rd
Cost Report	48th	76th	74th	98th
Endurance	23rd	DNF	10th	11th
Fuel Efficiency	47th	36th	DNP	9th
Final Rank	27th	28th	29th	10th
Total Points	547.2	456.4	456.4	505.1

## Formula SAE Series in Lincoln Results

Event	2015	2016	2017	2018
Autocross	24th	DNF	22nd	6th
Acceleration	29th	DNF	18th	5th
Skid Pad	18th	DNF	26th	4th
Design Presentation	26th	32nd	16th	11th
Business Presentation	24th	13th	13th	4th
Cost Report	29th	58th	39th	20th
Endurance	9th	DNF	12th	DNF
Fuel Efficiency	17th	DNF	23rd	DNF
Final Rank	9th	53rd	12th	20th
Total Points	658.0	181.7	653.0	496.1





## 2020-2021

After extensive testing and experience at competition in the older vehicle, the team has identified which systems need to be redesigned.

Through consistent revisions between our models, we maintain our reliability while pushing innovation on other parts of our car. With this in mind, the team has expanded to have two vehicles. The regular internal combustion car and with the help of some senior design students and underclassmen, the electric vehicle.

## Specifications

### Powertrain

- ◆ Yamaha YZF-R6m four stroke engine
- ◆ Custom dry sump oiling system
- ◆ Standalone Haltech ECU
- ◆ AIM data acquisition
- ◆ Custom Double Pass Radiator
- ◆ Custom 3D printed Intake Plenum

### Chassis

- ◆ 4130 Tubular space frame
- ◆ Carbon fiber body
- ◆ Floating Two Piece Rotors
- ◆ Custom Steering Rack and Pinion
- ◆ Aluminum 10" Wheels
- ◆ Aerodynamics Package

### Suspension

- ◆ Double Unequal Length Control Arms
- ◆ Öhlins dampers



# Sponsorship Opportunities

## What You Can Do For Us

100% of our annual budget comes directly from sponsors, just like you! Sponsorships come in all forms: monetary, material, discounts, and services. These gifts directly correspond to the developments our organization can make. We prize our relationship with our sponsors and ensure they receive the benefits they deserve.



## Sponsorship Levels

Carbon—\$5,000+      Platinum—\$3,000-\$4,999  
 Gold— \$1,500-\$2,999      Silver— \$500-\$1,499      Bronze— \$100-\$499

## What We Can Do For You

Benefits	Carbon	Platinum	Gold	Silver	Bronze
Sponsor Logo on car	×	×	×	×	Name
Sponsor Logo on TigerRacing website	×	×	×	×	×
Shop visitation time	×	×	×	×	×
Framed photo of team and car	×	×	×	×	
TigerRacing t-shirt	×	×	×		
TigerRacing exclusive polo	×	×			
Attendance to Sponsor Event by team and car	×				

Thank you for your interest in sponsoring LSU FSAE! Below is our sponsorship contract form. If there are any additional arrangements or adjustments, please email or call so we can do our best to accommodate you, the sponsor. Once this form has been completed, a receipt of contract and our tax ID number can be sent to you upon request. You may mail or email the completed form. This is to ensure that we honor your prospective sponsor benefit package.

## Sponsorship Contract Form

Company Name: \_\_\_\_\_

Company Contact Name: \_\_\_\_\_

Company Contact Email: \_\_\_\_\_

Shirt Size: \_\_\_\_\_

Company Address: \_\_\_\_\_

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\_\_\_\_\_

Donation Amount: \$ \_\_\_\_\_

Parts/Services: \_\_\_\_\_

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Please send the completed form to  
[formulalsu@gmail.com](mailto:formulalsu@gmail.com)

For questions please contact

**Kevin Cruz**

**Colin Roberts**

**President**

**Treasurer**

**(225) 276-5448**

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# 2021 Sponsors

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## Platinum Sponsors



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## Gold Sponsors



## Silver Sponsors



## Bronze Sponsors



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