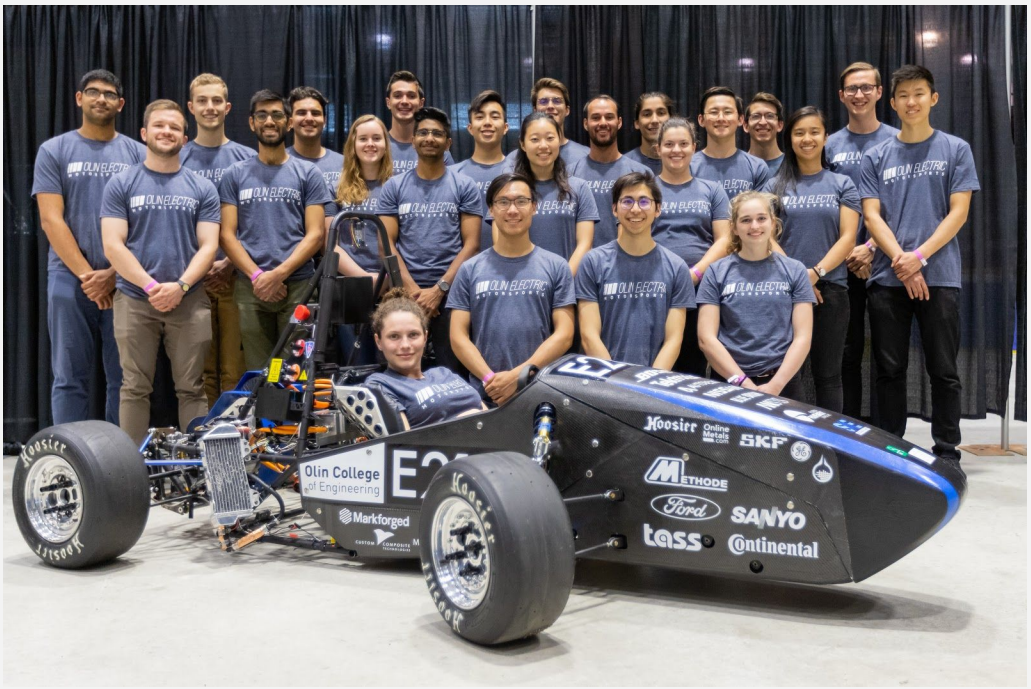
OLIN
electric motorsports

Olin Electric Motorsports

Sponsorship Package

WHO WE ARE

Olin Electric Motorsports is an undergraduate organization at Olin College focused on educating engineers through the development and manufacture of electric vehicles. We believe that electric vehicles provide an excellent platform for students to pursue mechanical, electrical, computer, and systems engineering in depth. By working together to achieve this in time for competition, members also develop the communication and leadership skills necessary for success as an engineer.



The team with Mk.4 at FSAE North 2019

Executive Leadership

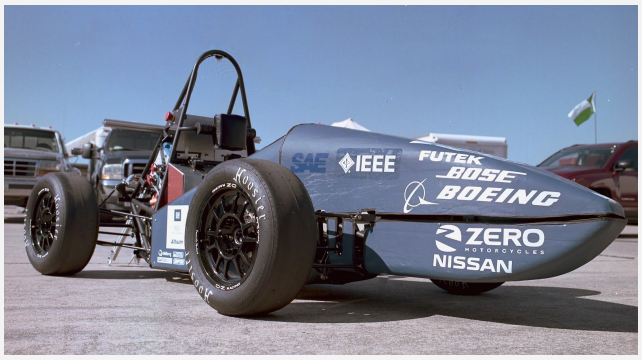
Project Manager:	*Rachel Won*
Electric Lead:	*Aditya Sudhakar*
Mechanical Lead:	*Jonathan Zerez*
Financial Manager:	*Dhara Patel*

Subteam Leadership

Accumulator:	*Anil Patel*
Chassis+Suspension:	*Nathaniel Lepore*
Cockpit:	*Naomi Chiu*
Composites:	*Aurora Bunten*
Transmission+Cooling:	*Alex Chapman*

THE FSAE ELECTRIC COMPETITION

Formula SAE is one of the world's biggest academic motorsports competitions. Student teams from all over the world design, build, and race small-scale formula-style race cars to directly compete with other universities. Formula SAE graduates are experienced and capable engineers who are ready to turn their skills and passion towards future engineering challenges. *Following a number of rigorous technical inspections, the following events are synthesized into a final score.*



STATIC EVENTS

Design - Over the course of one hour, team present to and get grilled with questions by industry experts about the engineering process, technical decisions, and analysis done.

Cost - A full financial audit of the car is reviewed and discussed with judges.

Business - Students must demonstrate their ability to conduct research and develop a business strategy for marketing their vehicle to weekend racing enthusiasts.

DYNAMIC EVENTS

Acceleration - A straight-line, 75m sprint.

Skidpad - A figure 8 track that tests the car's cornering ability.

Autocross - An intense, technical lap testing the car's overall performance and student driving.

Endurance - A 22km race challenging the car's longevity. The highest point-value event.

Mk.5 TEAM GOALS

We have set ambitious goals going into our fifth year. The FSAE Electric competition is moving to California in 2020, and we are fundraising enough money to follow it and go head to head with the best teams in North America. On the technical side of things we have completely restructured our annual schedule to ensure a vehicle that we complete on time, test and tune before competition, and learn from by logging and processing a variety of sensor data. *We need your help to fundraise enough money to achieve these goals and carry forward our mission.*

Accumulator

- 96s9p Li-ion HV battery pack
- 403V maximum voltage
- 7.2 kWh of stored energy

Powertrain

- Emrax 228 axial-flux DC motor
- Single stage reduction chain drive
- Custom Torsen differential housing

Chassis

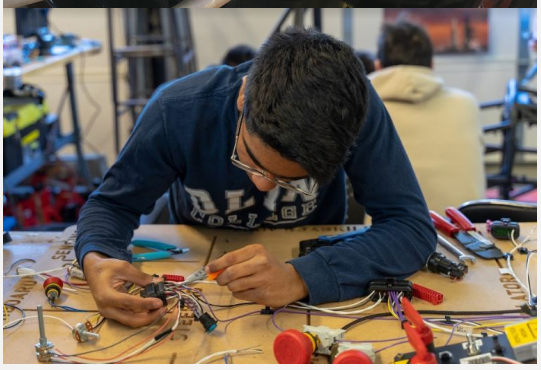
- TIG-welded tubular spaceframe
- 4 wheel independent suspension
- Custom CNC machined uprights

Electrical

- CAN-network vehicle state machine
- 16 custom team-designed PCBs
- Custom Battery Management System

Firmware

- Custom build chain to support our distributed firmware architecture



Join us!

We are excited as ever about the new competition season, and we are gearing up for the design and fabrication of our next car, Mk.5. Sponsorships can take many different forms to push us closer to our goals! If your interests don't align with what you see below, please reach out to discuss how you might best help out our team!

Parts

Donating or discounted parts from top manufacturers will help us create and test an amazing electric vehicle!

Skills

We can't do everything in-house. Your facilities and skills will help us manufacture a vehicle and gain learning experiences with cutting-edge technology.

Mentorship

We are first and foremost an educational platform for our team's engineers. Your experience and expertise will greatly accelerate our learning to prepare our members for industry work. This can take the form of meetings, video calls, or design reviews.

Money

Building an electric race car certainly isn't cheap! Monetary donations will go towards financing parts, materials, competition costs, and other expenses that keep our team running and push us to the next level!

SPONSORSHIP TIERS

Level 1: Jump-Starter

$200 - $499

Logo on website
Thank you on Facebook

Level 2: Amped

$500 - $1,999

Level 1 PLUS:
Small (10 in^2) sticker on car

Level 3: Energizer

$2,000 - $4,999

Level 2 PLUS:
Medium (20 in^2) sticker on car
Resume booklet for recruitment
Meet the team + tour our facilities

Level 4: Lightning

$5,000 - $9,999

Level 3 PLUS:
Large (40 in^2) sticker on car
Logo featured at the end of videos
Custom presentation and vehicle showcase at your company

Level 5: Supercharger

$10,000+

Level 4 PLUS:
Title Sponsor Status
Huge (60 in^2) sticker on car

Thank you so much for considering sponsoring our team! If you would like to make a donation or partner with us in any way, please reach out to our marketing manager or project manager:

Sreenidhi Chalimadugu - *Marketing Manager*

schalimadugu@olin.edu

Rachel Won - *Project Manager*

rwon@olin.edu