



# COOPER UNION MOTORSPORTS <sup>S21</sup>

End of Season Newsletter  
August 2021



# FORMULA SAE MICHIGAN- 2021



This year, we attended our final internal combustion competition at FSAE Michigan in July. Overall, it was a big success!

We competed in every dynamic event, tied for 16<sup>th</sup> in the Knowledge Event, and placed 38<sup>th</sup> in the Validation Event.

## DAY ONE

After arriving at the paddock, we got the car ready for the technical inspection. The inspectors recommended a few minor changes; however, we were ready to move on early the next day.



Four of the team members at the competition this year were freshmen, who became an integral part of the team despite the pandemic. They got to experience all the ins and outs of competition, from problem-solving to pass the tech inspection, to seeing the car compete, to meeting other teams. Now, they have the background to be more prepared for next year's competition!



# DAY TWO

After passing tech first thing in the morning, we moved on to the tilt test, which we passed first try. After two attempts at the sound test and some rewiring of our master kill switch, we passed the sound level and shutoff tests and receiving our next sticker. We moved onto brakes next, however couldn't lock the rear wheels before the end of the day. We worked on the car before leaving the speedway to make sure we were ready to try again the next morning!



# DAY THREE

We passed the brakes test in our first attempt the next morning. We proceeded to compete in skidpad, acceleration, and autocross. Our drivers this year were juniors Julia Buckley and Pia Roels, and seniors Enea Dushaj and Yuval Philipson. These events were a great experience to see the car compete and get some racing time.





# DAY FOUR

On our final day of competition, we competed in the endurance event. Last time we drove this event, a suspension member buckled, and we were only able to complete two laps. This year we breezed through the first half of the event! Unfortunately, after turning the car off to switch drivers, the battery charge was too low, and we couldn't start again.



Despite not finishing the event, we raced for 7.5 miles and the car was still in peak mechanical condition! This was a very exciting achievement, and we're looking forward to finishing the EV endurance event next year.





# NEW LEADERSHIP

As we move into the next season, it's time to elect new captains to lead the team to the 2022 competition. Thank you for the hard work done by last year's captains: Louis Lane, Aidan Bowman, and J. Jacobowitz!



## Julia Buckley

### President

Hi everyone! I'm Julia and I will be a senior Mechanical Engineering student this year. Last year I was the Engine subsystem lead, Electronics system lead, and the Tractive System lead working on the electrical powertrain design. This summer I'm interning at Innoveering, working with the design team to test supersonic jet engines. We have an amazing team this year and I'm excited to see our first electric car.

## Aidan Bowman

### Chief Engineer

Hello, my name is Aidan Bowman, I'm a junior mechanical engineer. I was last year's project manager. I'm currently working as a Chassis and Vehicle Dynamics intern at Lucid Motors and am interested in pursuing a career in the electric automotive industry. The transition to electric will be difficult but with our strong all-female leadership and a passionate, driven team, I'm confident we will expand our knowledge base and produce a well-designed, first car.



## Elyse Taglia

### Project Manager

Hi, my name is Elyse Taglia, and I'm a sophomore chemical engineer. Last year I mainly worked on manufacturing the rear wing. I am super excited to be project manager and am so excited for this upcoming year.

# ALUMNI UPDATE

Hello everyone! The Cooper Careers office is beginning an Alumni-Student career mentorship program this year. Mentors will be paired with a student interested in their field, giving students an opportunity to network and ask questions about life after Cooper. Mentors and mentees will meet monthly, so students can ask questions and mentors can share their professional experiences and offer advice. This is a great opportunity for students to build professional relationships, and our team is excited to apply! If you are interested in becoming a mentor or want to learn more, please see this [link](#). The deadline to apply is September 3<sup>rd</sup>!

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