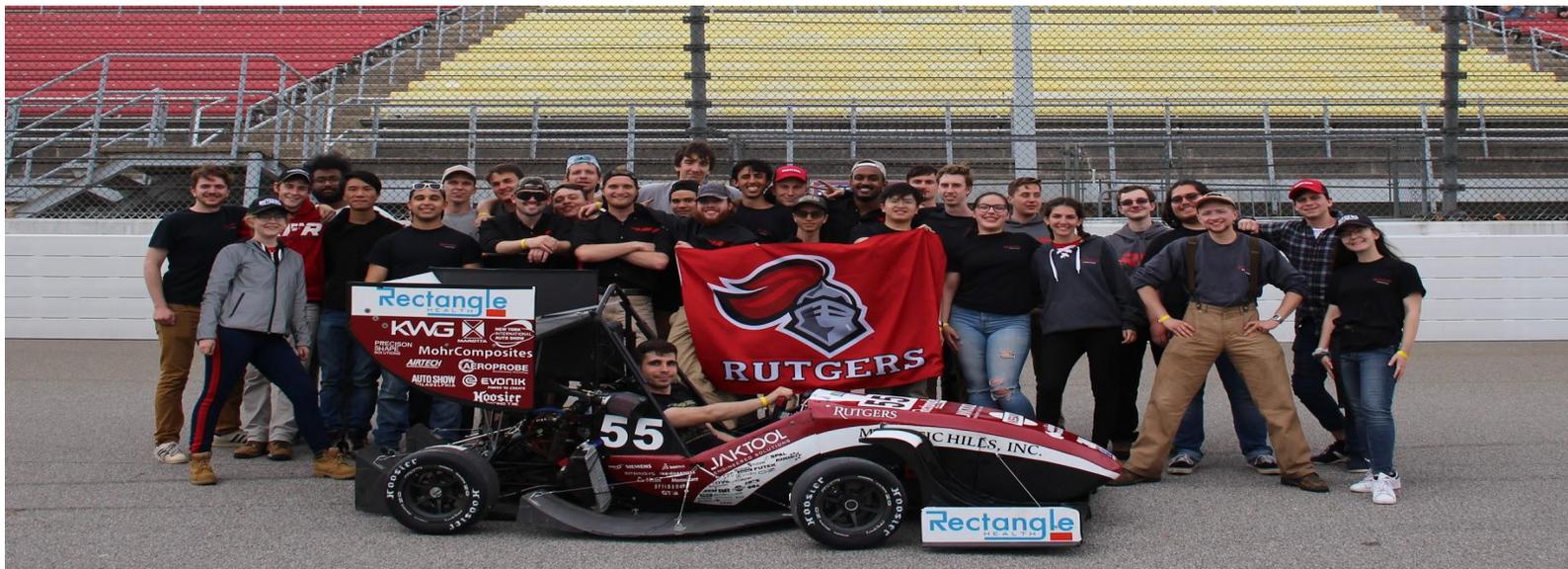
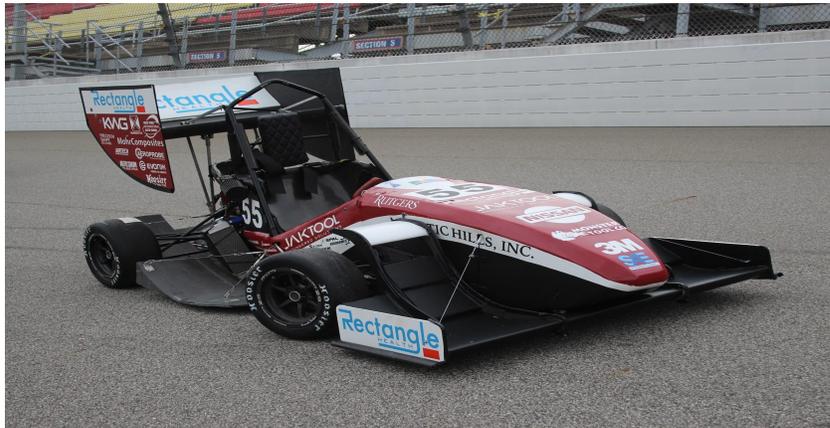


May 2019 Edition

RUTGERS FORMULA RACING NEWSLETTER



COMPETITION SEASON IS HERE!



FORMULA MICHIGAN

FSAE Michigan kicked off May 8 with technical inspection and concluded May 11th with endurance. This year, the competition had 111 teams representing 10 different countries, and over 2500 student participants. The RFR19 incorporated numerous design changes that improved the vehicle's overall dynamic and static performance. With this new vehicle our team saw a ten point increase from the previous year in the design aspect of the competition, placing 19th. The design changes also proved to be advantageous in autocross, as the team was able to complete a sub-60 second lap time, placing them in the second heat for endurance. In addition, the team was also able to receive a perfect score in the real case, presented by our business team. The Rutgers Formula Racing Team is currently looking forward to competing in FSAE North and Lincoln.

RUTGERS DAY 2019



For the second year in a row, RFR was able to present and drive the '05, '11, '17, and '18 cars at Rutgers Day. This year, Rutgers Day coincided with the New York International Auto Show, where the 2019 car was being displayed. Rutgers Day was a great time to let new members drive the '18 car, on an autocross course that was set up just outside the Busch Student Center. The day was helpful for driver training and a great team and alumni bonding experience. The event drew a large crowd for the driving demonstrations, and spectators of all ages were present.

Presenting the 2019-2020 Leadership Team

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Michael Fabiano
President



Alan Juthapornmanee
Vice President



Isabel Wood
Treasurer



Gabi Tagliaferro
Public Relations



Nasef Junaid
EGC Rep, Composites

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Jeremy Cleeman
Project Manager



Anthony Rodriguez
Design Lead



Joe Wong
Aerodynamics



Sean Wheat
Brakes



Charles Elliot
Chassis



Mikey Albacete
Controls & Ergonomics



Madeline Bowne
Data Acquisition



Raymond Chiu
Electronics



Dimitri Duma
Manufacturing



Jared Leahy
Powertrain



Julian Sowa
Suspension

Following Michigan, we elected the new executive board and team leads for the 2019-2020 season. There were several new positions added, including a public relations chair, a testing and data acquisition lead, and the return of the composites team lead. Each candidate had to write an application for their position. Below are some goals the new leads have for these positions.

Madeline Bowne, Data Acquisition and Testing Lead:

My hope for next year is that it is more testing-intensive. The 2019 was an amazing car, and there is still much to learn from it. I believe that having a data and testing specific lead position will help the team make the most use of the testing time available. Having ready-to-use empirical data on the 19 car will help the design team make decisions for the 2020 vehicle. It will also create a precedent for comprehensive data management that teams in the future will be able to use and learn from.

Nasef Junaid, Composites Lead:

My goal is to expand the team's knowledge of materials including fiber reinforcements and adhesives by using quantitative testing and empirical observations. This information will help to increase reliability and reduce the weight of composite parts such as the wings or bodywork.

Gabi Tagliaferro, Public Relations Lead

My goal for this position is to increase our presence on social media, on campus, and in the public eye. This organization has enriched the education of many engineers, and I want to be able to share what we do with as many people as possible. In addition, I would like to improve on our new member recruitment system, in order to increase future interdisciplinary collaborations.

SENIOR SPOTLIGHT



This year RFR graduated 9 seniors; Aiden Wagner, Ayush Luthra, Brian Lange, Chris Golm, Ike Osbun, Patrick Jakubowski, Simon Gehrig, Thomas Donohue, and Zachary Joseph. We wish our graduates best of luck in their careers and future endeavors. We asked some of our seniors to tell us how being a part of Rutgers Formula Racing shaped their college careers:



Patrick Jakubowski, Project Manager
Next stop: Marotta Controls

“RFR has allowed me to take engineering principles and apply them to a variety of different practical applications. It has expanded my theoretical knowledge from regular coursework to real solutions to real problems. With RFR, I have been exposed to the engineering process and a team environment, from conceptualizing, benchmarking, integration, to hand calculations, modelling techniques, simulation, and review.”

Brian Lange, Chassis Lead
Next stop: Marotta Controls

“On the surface Rutgers Formula Racing is a hard working engineering team that underneath is a tight knit family. Being a part of it has afforded me the opportunity to learn and tackle new challenges everyday alongside great friends. The experience from the team is invaluable and defines my college experience.”



Simon Gehrig, Brakes and Manufacturing Lead
Next stop: Jakttool Engineered Solutions

“RFR has exposed me to multiple industries and helped me to focus on what I enjoy the most. I currently have a full time job as a manufacturing engineer at Jakttool Engineered Solutions, one that I got through exposure to the firm in a sponsorship agreement with RFR. I have also gained multiple contacts in other industries and put myself on the radar of plenty of high caliber companies.”

Looking Forward...

The next competition on the schedule is Formula SAE North, taking place May 30th - June 2nd in Ontario, Canada. Following North is FSAE Lincoln, from June 19th-22nd, taking place at the Lincoln Airpark. The final event of the season is the Pittsburgh shootout, taking place on July 6th. The team plans on continuing testing of the car throughout the summer.



DEAN THOMAS FARRIS
JOE OLSHEFSKI
ALEXEI KOTELNIKOV

RUTGERS
School of Engineering

RUTGERS
University Facilities
and Capital Planning

ASSOC DEAN SUSAN KILDUFF
TOM CALABRESE
TRENT HANDLOVSKY