

# Clarkson Formula Knights



## Sponsorship Packet 2019-2020



# Team Letter

**We would like to take this opportunity to tell you about the Clarkson University Formula SAE Racing Team. As part of Clarkson University's SPEED program (Student Project for Engineering Experience and Design), Formula SAE provides students with the opportunity to apply classroom knowledge to real world challenges as well as learn new skills outside the classroom. The team is tasked with the design of an open wheeled racecar. Formula SAE provides our team with the opportunity to apply material taught in the classroom to design and fabricate the vehicle. Clarkson FSAE provides the ultimate experience that exposes members to real world engineering problems, preparing students for their post-graduation careers. In the coming year we plan to join competing teams at the annual Formula SAE International competition in Brooklyn, MI. This event will take place at Michigan International Speedway from May 6th to May 9th, 2020. Clarkson Formula Knights has a passion for success and is dedicated to developing a well-engineered FSAE car. We would like to ask for your help through sponsorship of funds, products, and/or services.**

**-The Formula Knights Racing Team**





# Competition

**Formula SAE (FSAE) is a collegiate level design series that was founded in 1979. Teams from around the world are challenged with designing and building a formula style racecar that adheres to strict regulations. There are two primary categories in which teams are scored; static and dynamic events. The overall performance of a team is determined by skills in research, design, management, testing, development, marketing, management, and finance.**

## **Static Events:**

|                             |                   |
|-----------------------------|-------------------|
| <b>Technical Inspection</b> | <b>Required</b>   |
| <b>Cost Analysis</b>        | <b>100 Points</b> |
| <b>Presentation</b>         | <b>75 Points</b>  |
| <b>Design</b>               | <b>200 Points</b> |

## **Dynamic Events:**

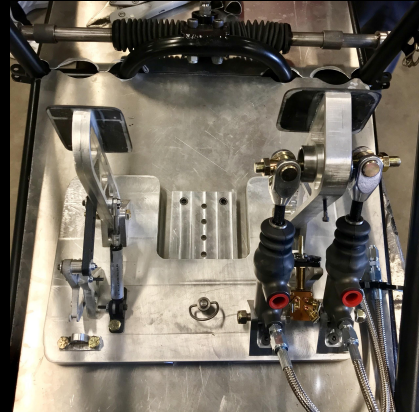
|                        |                   |
|------------------------|-------------------|
| <b>Acceleration</b>    | <b>100 Points</b> |
| <b>Skid Pad</b>        | <b>75 Points</b>  |
| <b>Autocross</b>       | <b>125 Points</b> |
| <b>Endurance</b>       | <b>225 Points</b> |
| <b>Fuel Efficiency</b> | <b>100 Points</b> |



# Formula Knights' Car Specifications

## Brakes

- Front/Rear Bias Bar
- Dual Tilton Master Cylinders
- 7.5" Front Rotors
- 7" Rear Rotors
- Wilwood GP200 Racing Calipers



## Body

- Two Layer Carbon Fiber
- Tamco Basecoat Clearcoat Paint
- Removable Side Panels & Nose Cone
- Quick Release (1/4 Turn) Panel Fasteners

## Drivetrain

- Drexler Limited Slip Differential
- Lightweight Aluminum Differential Housing
- Taylor Racing Performance Driveshafts & Tripods



## Engine

- 2009 Honda 636cc 4 Cylinder
- 3D printed Intake Manifold
- 304 Stainless Steel Exhaust
- Motec ECU

## Ergonomics

- 6 Point Safety Harness
- Quick Disconnect Steering Wheel
- Custom Carbon Fiber Seat
- Hand Operated Clutch
- Wheel Mounted Paddle Shift System
- Dual Pedal Layout
- Adjustable Pedal Box
- Easily Accessible Emergency Shut-Off Switch



## Chassis

- Tube Space Frame (Chromoly Steel 4130)
- Designed to Fit Drivers 5'5" - 6'2"
- Easily Access to Engine

## Suspension

- Independent Front & Rear
- Front & Rear Pushrods
- Adjustable Toe & Camber
- Ohlins Double Barrel Coil Shocks
- Adjustable Compression & Rebound Damping





# Sponsorship Ranks



## **Platinum Supporter: \$5,000+ or Equivalent Product/Service**

- Company name listed as sponsor on CFK website
  - Extra large logo featured on car
- Logo featured on sponsorship t-shirts for participating students
  - Listed as a main sponsor at competition events
- Special access during career fairs and on-campus events
- Pictures and updates from the team documenting the experience

## **Gold Supporter: \$2,000-4,999 or Equivalent Product/Service**

- Company name listed as sponsor on CFK website
  - Large logo featured on car
- Logo featured on sponsorship t-shirts for participating students
  - Listed as a main sponsor at competition events

## **Green Supporter: \$500-1,999 or Equivalent Product/Service**

- Company name listed as sponsor on CFK website
  - Medium logo featured on car
- Logo featured on sponsorship t-shirts for participating students

## **SPEED Supporter: \$50-499 or Equivalent Product/Service**

- Small company logo on our car
- Company name listed as sponsor on our CFK website

# Contact Information

The Clarkson University Formula Knights Racing Team would like to express our appreciation for taking the time to review our sponsorship material. If you are interested in sponsoring our team, please contact us with the information below.

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## Thank you 2018 - 2019 Sponsors



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Innovation, engineered.

