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IMPORTANT DATES

April 19th (tentative) Unveiling

June 20th Formula SAE Lincoln Competition

August 1st Formula Student Germany (FSG) Competition

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Suspension Team

For the next several newsletters, we are going to delve deeper into the UW FSAE team and the various technical and administrative sub-teams that handle the various aspects of the project.

The suspension team, led by senior and fifth year UW FSAE member Josh Pu'u, is responsible for controlling how the car handles. This includes the tires, uprights, steering, bell cranks, hubs,



brakes, dampers, a-arms, and anti-roll bars. Perhaps unsurprisingly, with so many projects and components, the suspension team is one of the larger sub-teams with eight student engineers.

This year, the team has worked extremely hard to meet Josh's goals of lowering the car's center of gravity and reducing the amount of unsprung mass. In order to meet these goals, there were a number of major changes from last year.

These changes include the unification of the hubs and CV joints into a single simplified part, the switch to center lock wheel centers, the downsizing of the rear brakes and calipers



Above: Team 22 upright
Bottom left: Team 22 bell crank

due to smaller loads, and a simpler planar arrangement of the pull-rods, bell cranks, and dampers. In addition to these major changes, there were numerous improvements in terms of simplification, adjustability, and manufacturability. In total the suspension team was able to shed roughly twelve pounds over last year's system.

Sponsorship

The sponsorship team, led by junior and second year UW FSAE member Eugene Kim, is responsible for bringing in everything the team needs to build a car. This includes cash donations, materials, and services. Creating a car from scratch each year requires a large amount of each of these resources, and we simply could not do it without the generous support of our sponsors.

The members of the sponsorship team work hard to both forge new relationships with companies and other sponsoring organizations and maintain existing relationships with those who have supported us in the past. In order to better facilitate these relationships, this year we have implemented a new Customer Relationship Management (CRM) system.

The CRM allows us to easily track and manage each relationship through a private web-based system that the sponsorship team can access from anywhere. This software should make the entire sponsorship process more streamlined and pleasant for sponsors and the sponsorship team alike.