

### TEAM ORGANIZATION

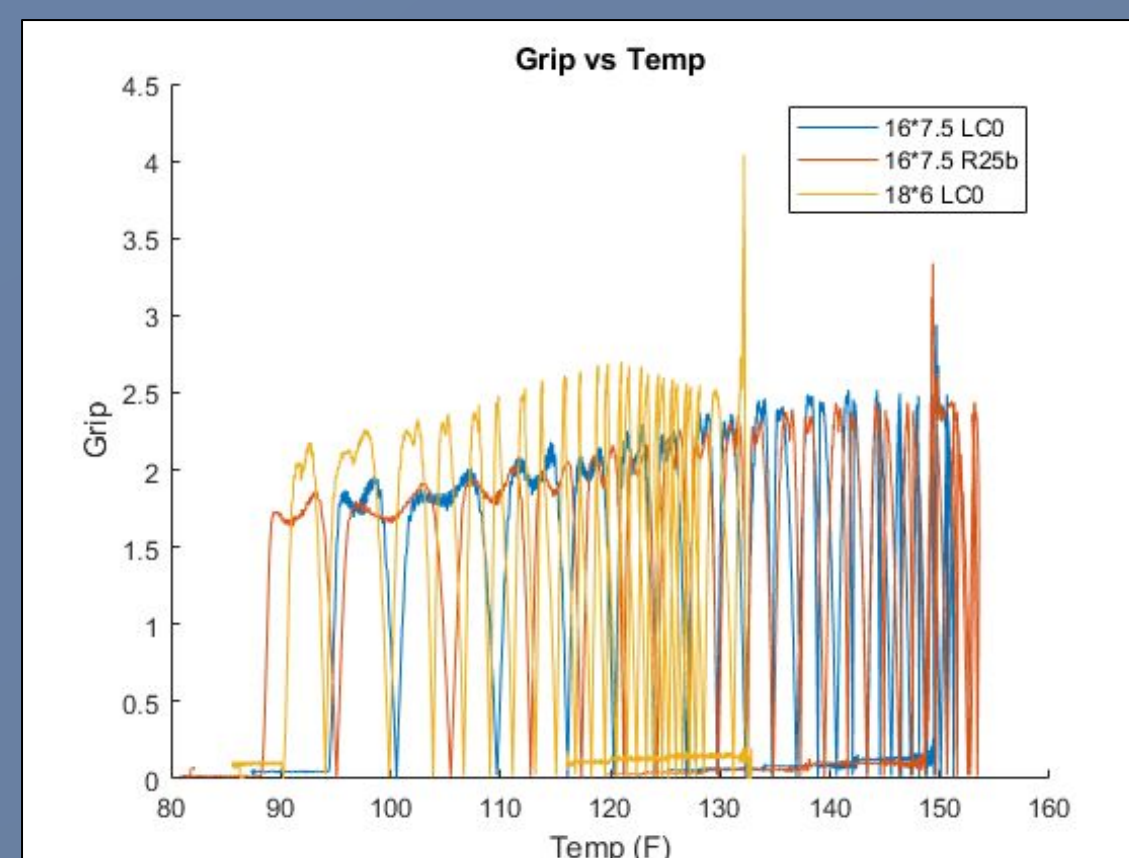
Chief Engineer  
Matt McMurry

Project Manager  
Noah Stein

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### SUSPENSION

- 15%-19% greater grip at operating temperatures
- Number of components reduced by 51%



### GOALS

- Top 5 Finish at California FSAE-IC 2020
- Finish all attempts in all events
- Pass tech on the first try
- Running car by week 1 Winter Quarter
- Improve design score and reliability by finishing car early and doing extensive testing

Website: [sites.uci.edu/uciracing](http://sites.uci.edu/uciracing)  
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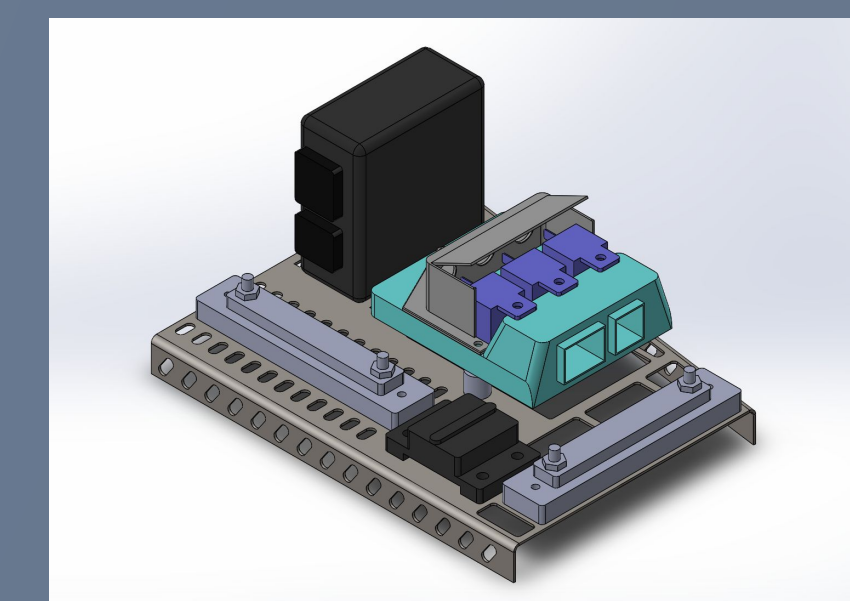
### ENGINE DEVELOPMENT

- Redesigned cooling system
  - Radiator w/ double the core area
  - Compression ratio increased by 3% w/ new engine
  - Coolant recovery tank mounting and sealing improved



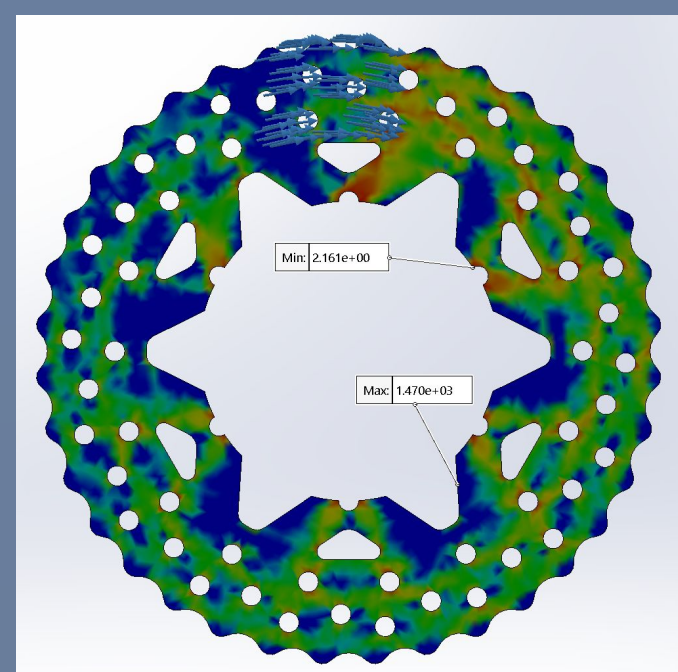
### ELECTRONICS

- Modular wiring harness
- Sensors for diagnostics, driver training, research and development



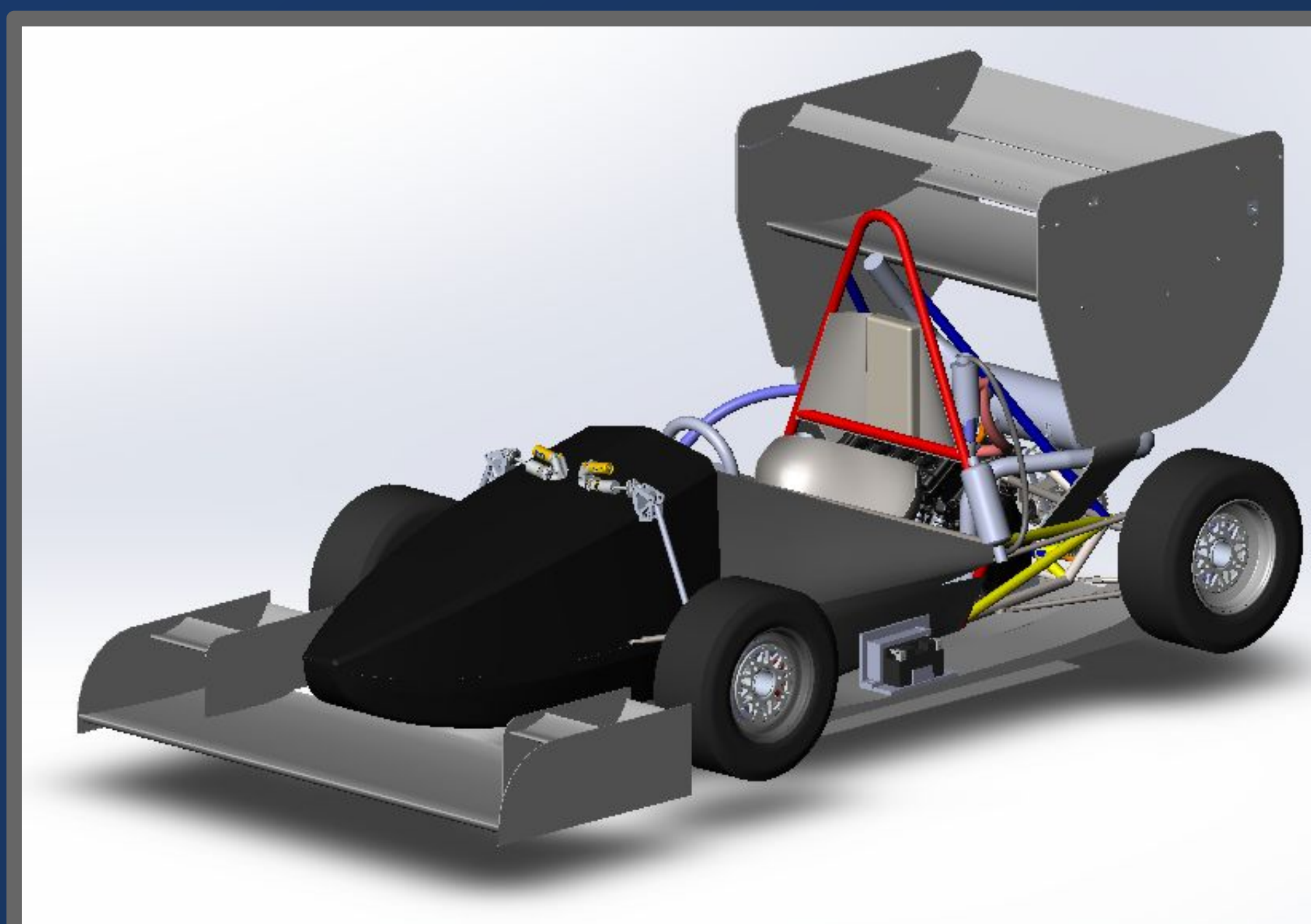
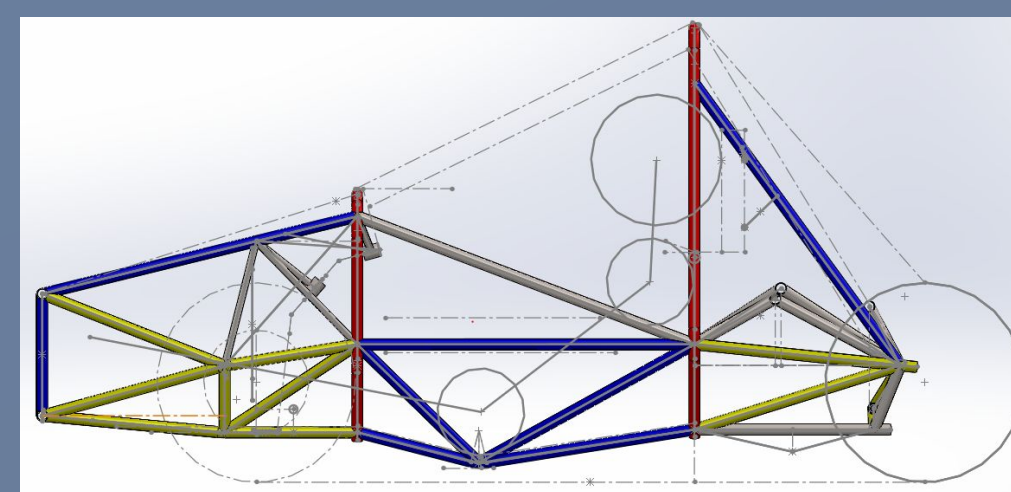
### BRAKES

- Reduced pedal force by 10%
- Increased max deceleration to 2.8 G's



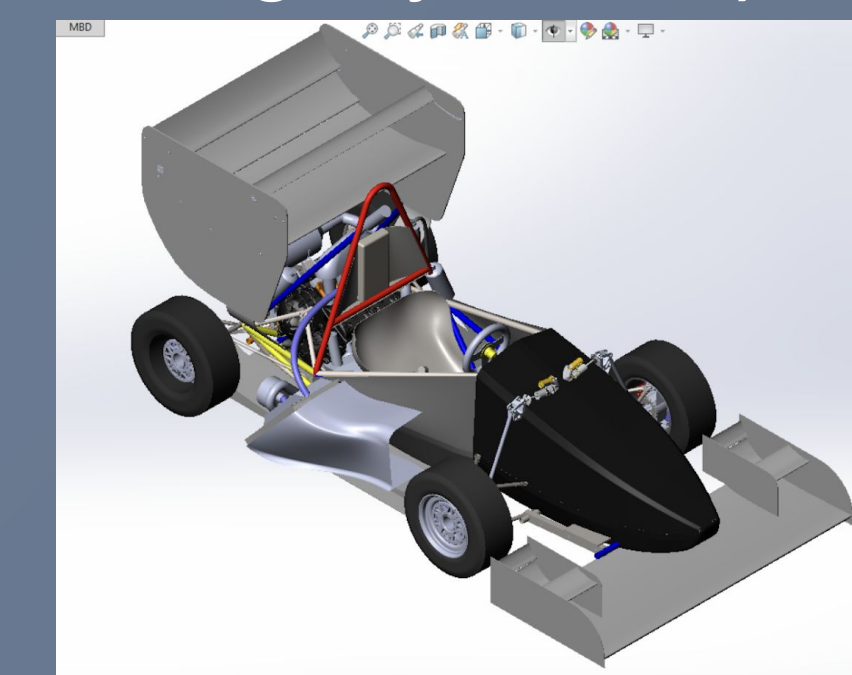
### CHASSIS

- More room for driver
- Stiffer damper mounting



### AERO

- $C_L/C_D = 2.1$
- Sidepod to improve cooling
- Wing Adjustability



### ERGONOMICS

- Adjustable pedal box to accommodate drivers of all sizes
- Reduced free-play in shifter
- Reduced steering effort by 50%