

Competition

- April 17th – 18th
- Huntsville, Alabama
- Course time trial with obstacles and tasks

Course Obstacles

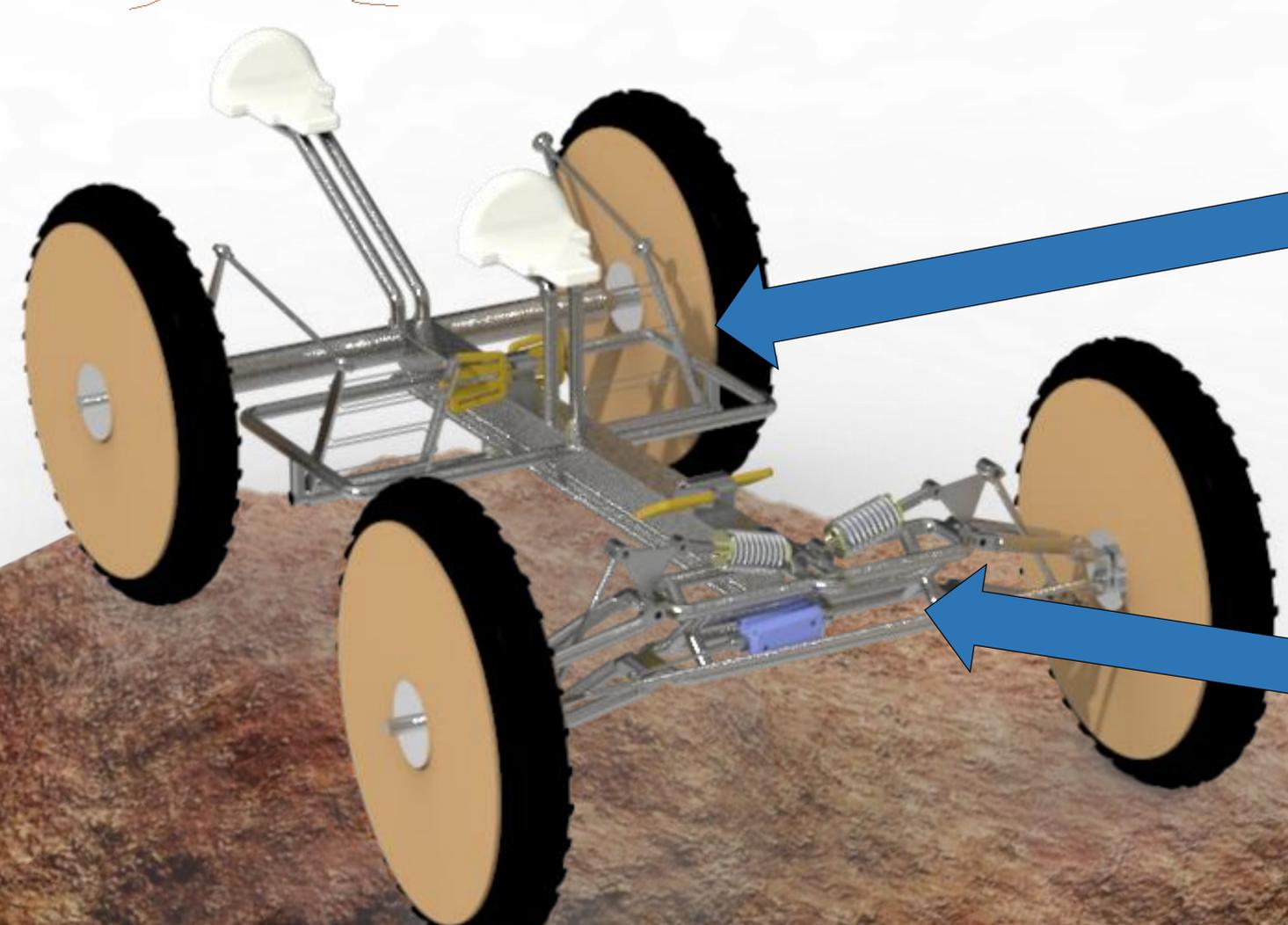
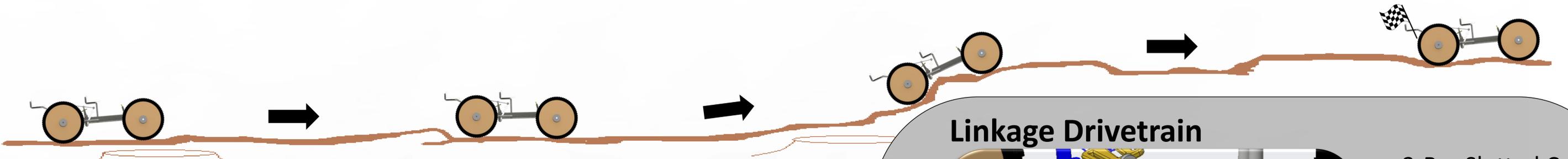
- Varying terrains
- Steep Inclines
- Crevasses

Course Tasks

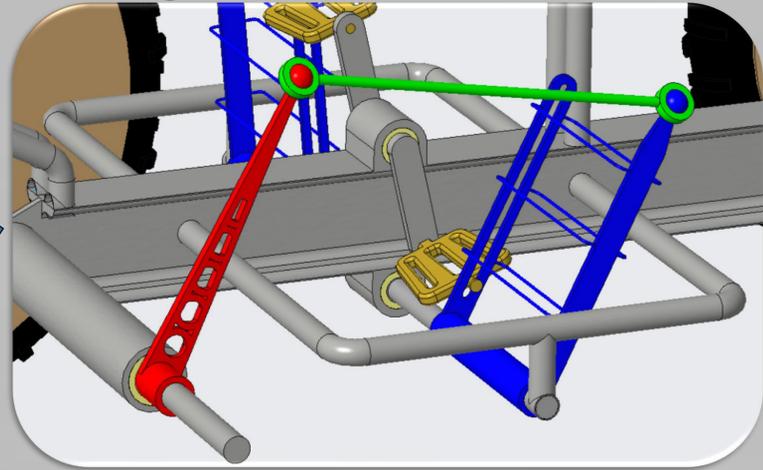
- Spectrographic Analysis
- Instrument Deployment
- Sample Retrieval

Future Work

- System optimization
- DFMA
- Light-weighting
- Testing and validation

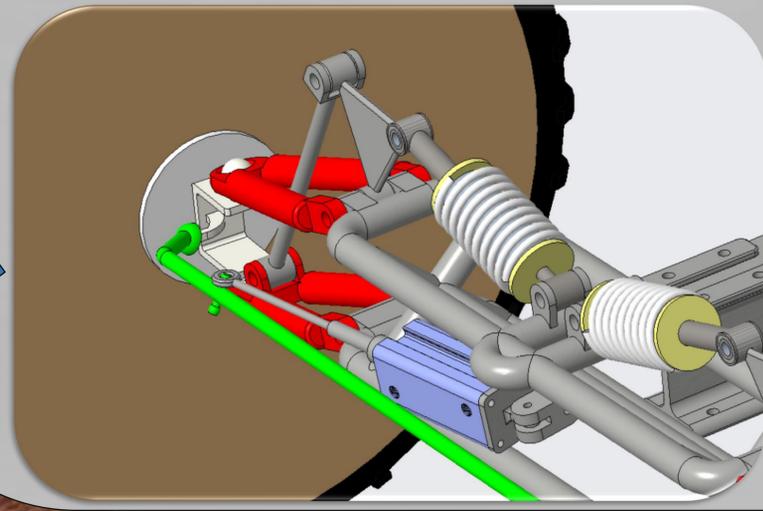


Linkage Drivetrain



- 3-Bar Slotted Crank
- Slot designed for directly proportionate transmission
- Ratcheting Axle Shaft

Double Wishbone & Hydraulic Steering



- Hydraulic ram driven tie-rod
- Adjustable height suspension