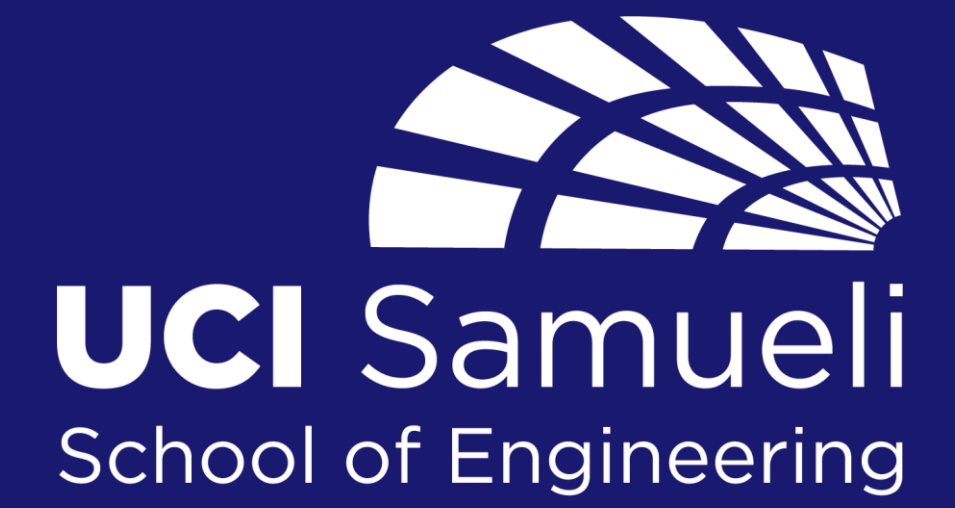




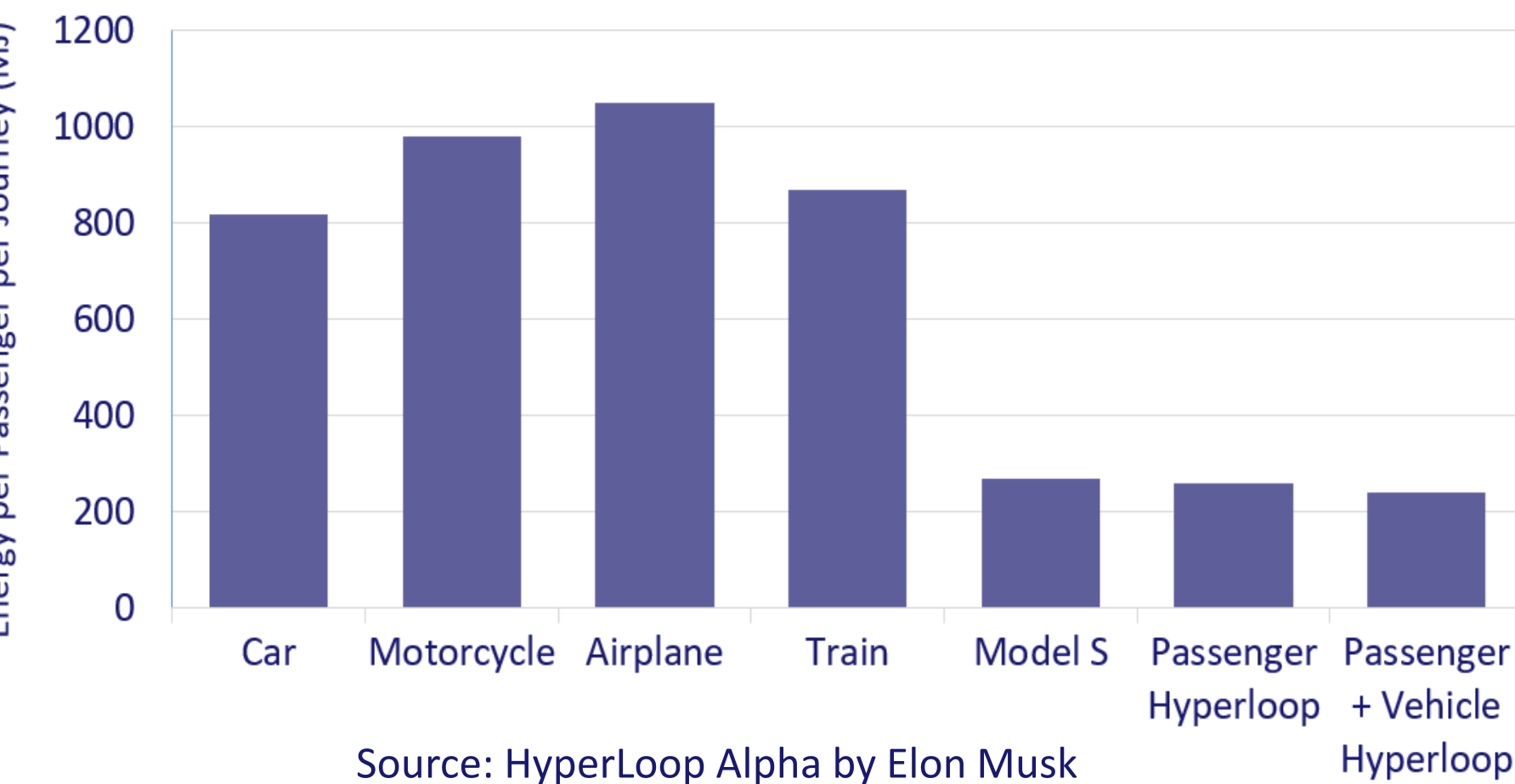
HyperXite

Future of Sustainable and Affordable Transportation

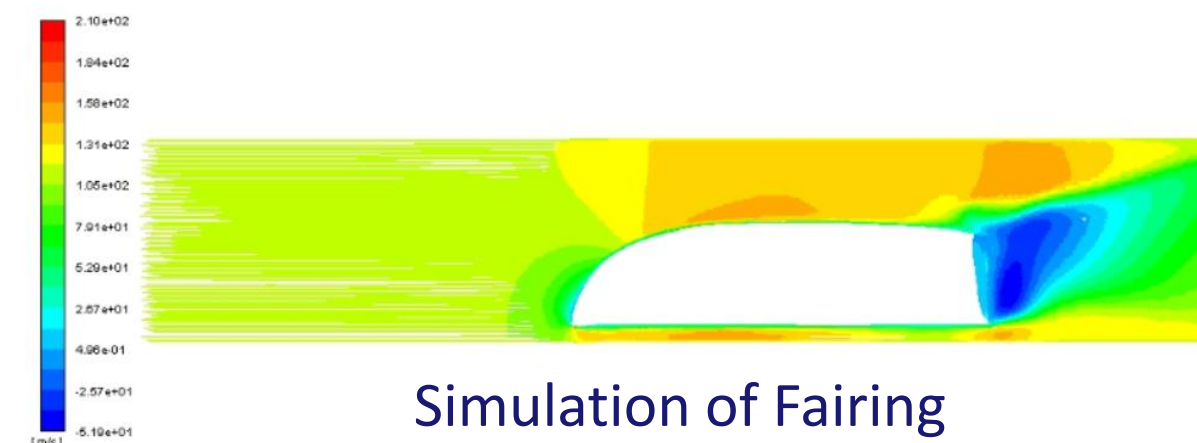


BACKGROUND

Energy cost per passenger for a journey between Los Angeles and San Francisco for various modes of transport

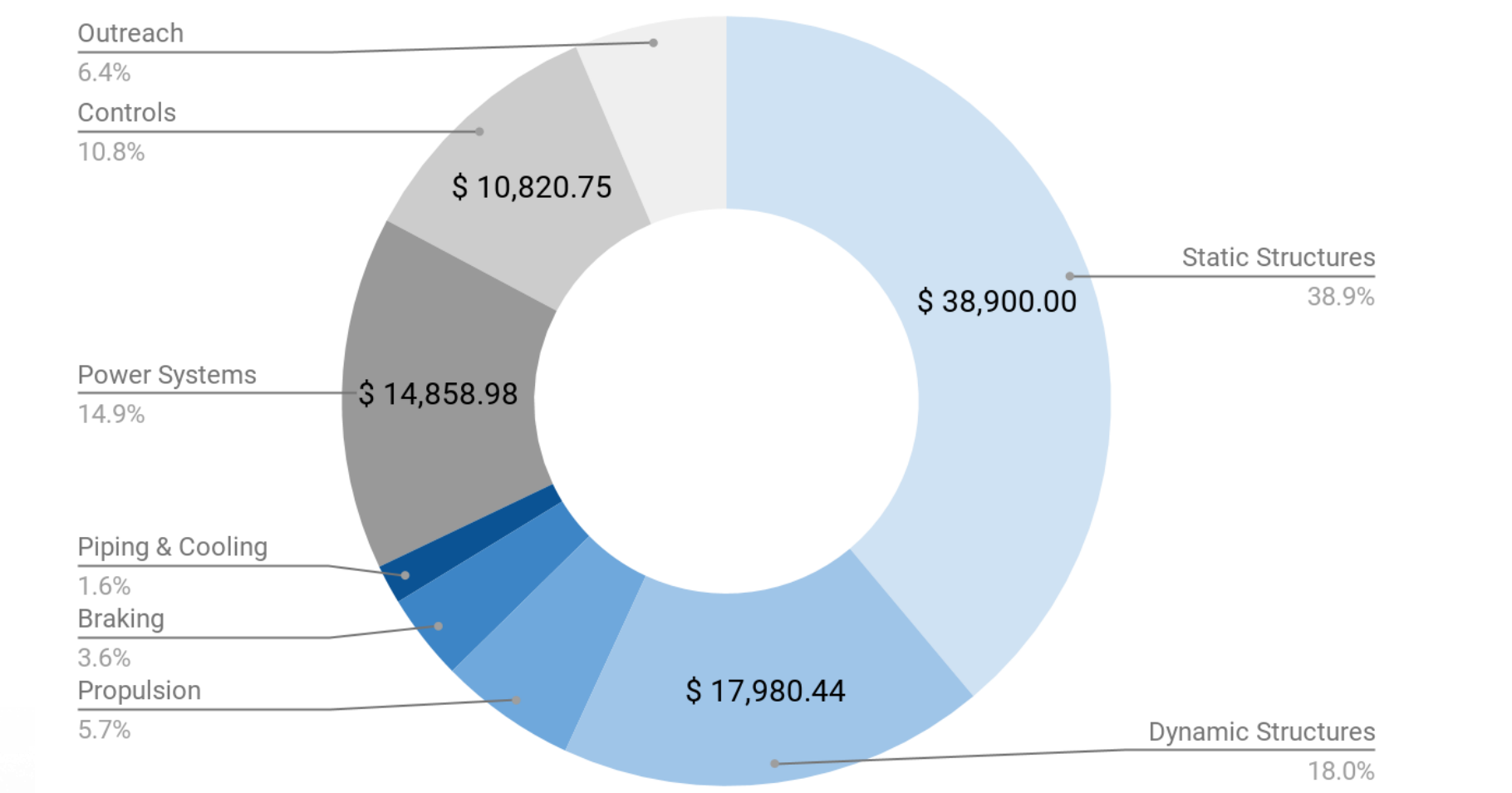


HyperXite is a team of 36 undergraduate students aiming to compete in the Fourth SpaceX Hyperloop Pod Competition in the summer of 2019. The Hyperloop concept, first proposed by Elon Musk in 2013, has the potential to change the way we see the future of affordable and sustainable transportation.



TOTAL POD COST

Budget: \$99,998.05



Cost percentage by system

*Sponsorship Opportunities are available.

GOAL

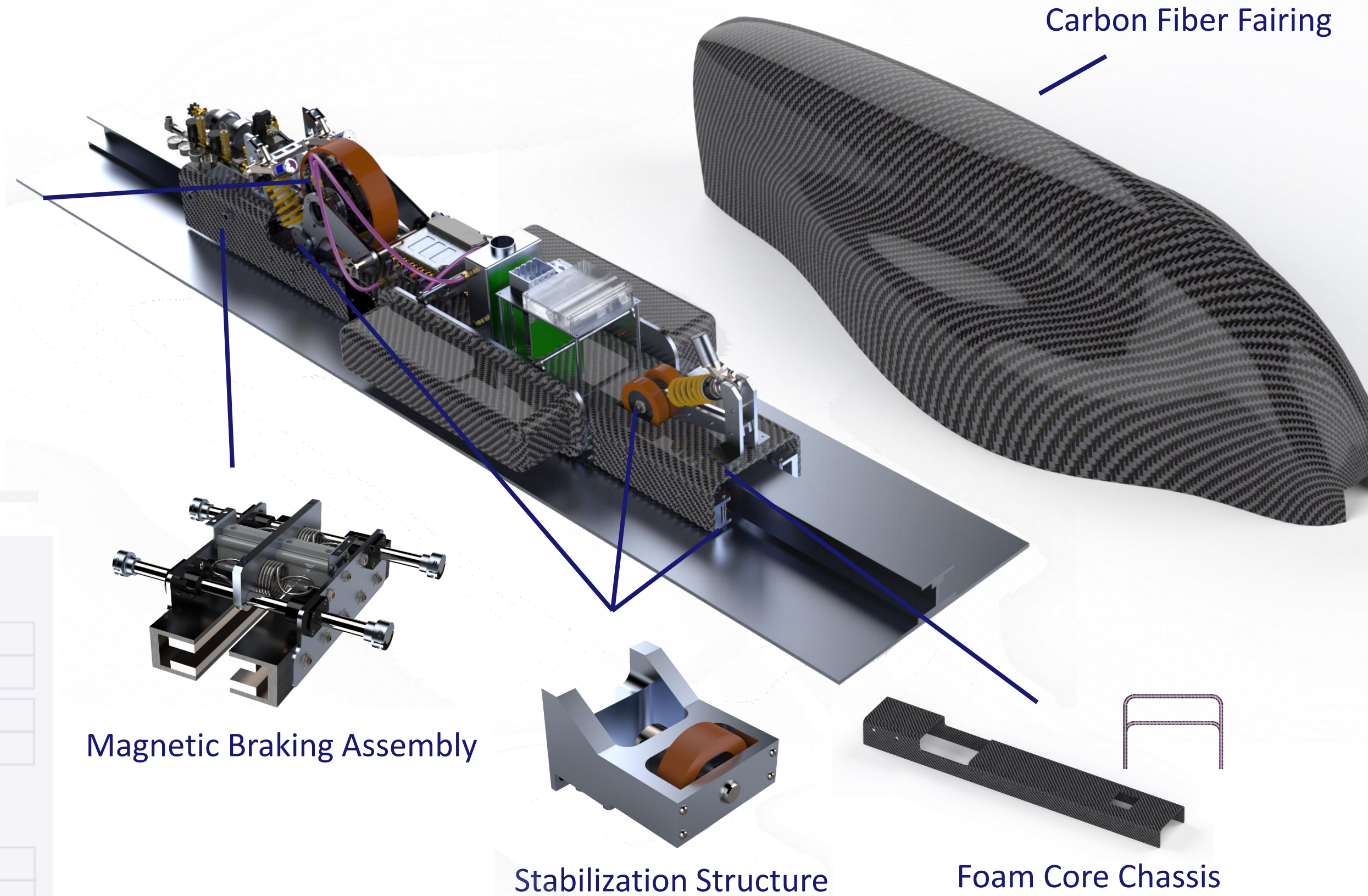
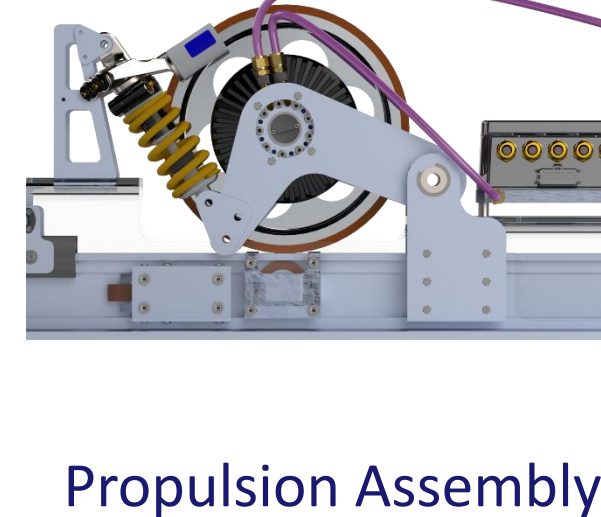
Build a high speed, self propelled Hyperloop pod and complete a successful vacuum run during the SpaceX Hyperloop Competition IV in Summer 2019.

OBJECTIVES

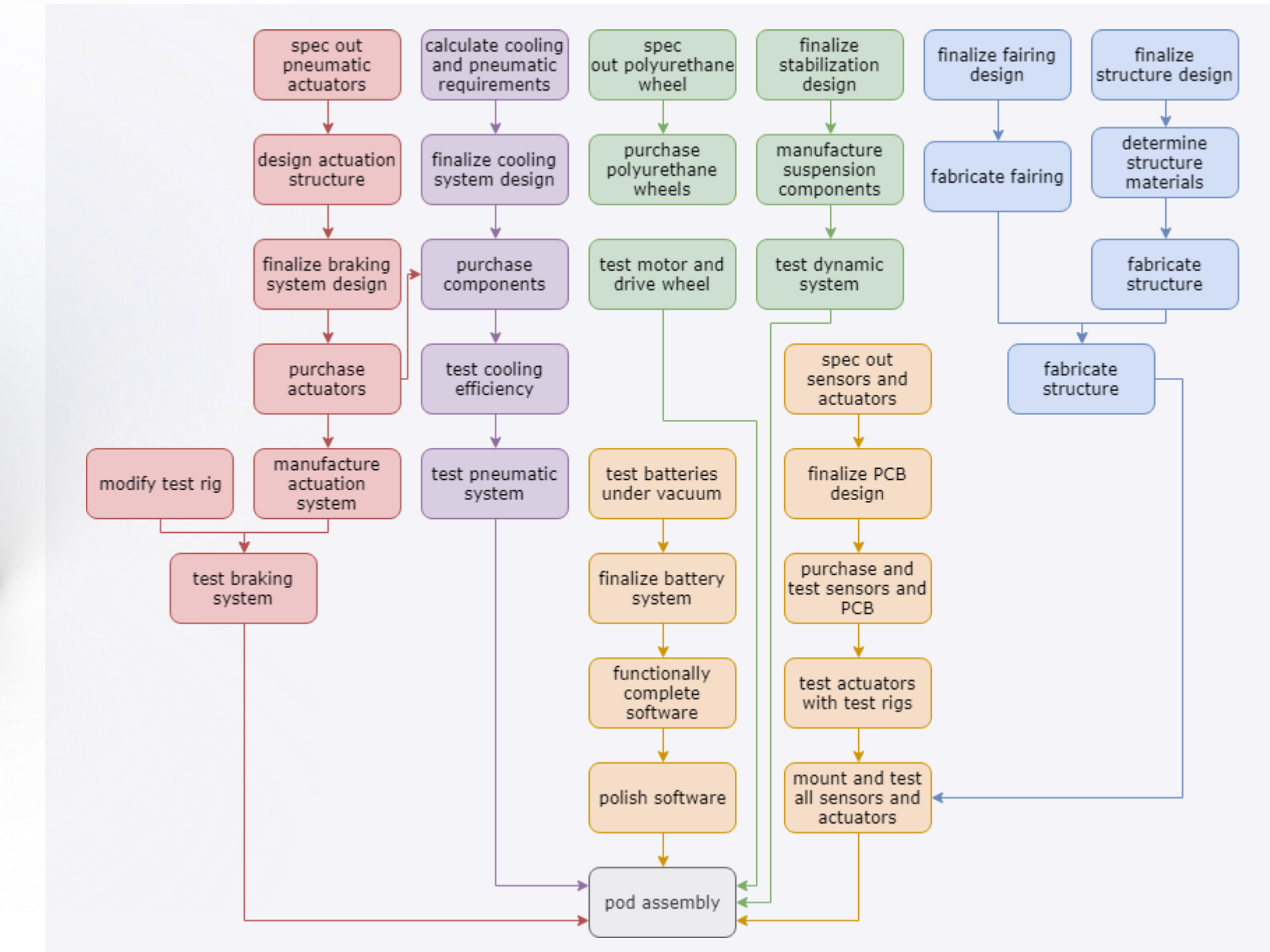
- Top speed of 245 mph
- Vacuum safe
- Real-time pod behavior monitoring
- Stop the pod 100 ft before the end of tube

TEAM ORGANIZATION

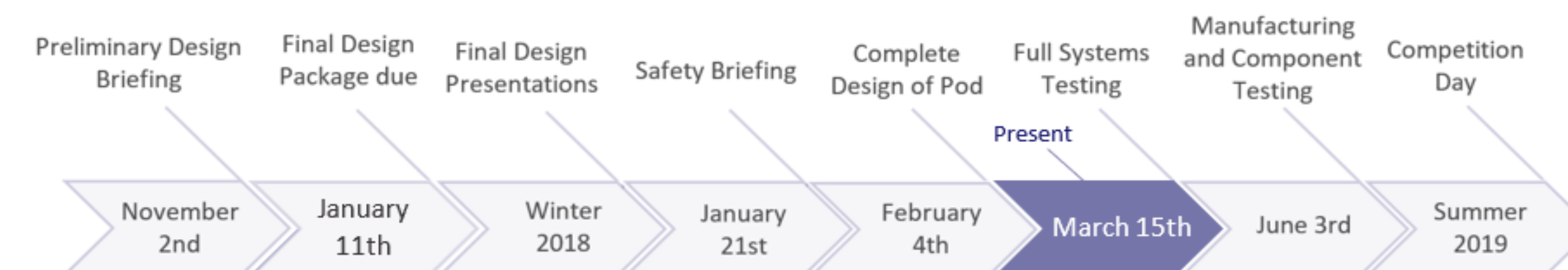
Management	Technical	Non-Technical
Jason Lee Team Captain Chief Engineer	Braking Andre Tsaniff Subsystem Lead	Luke Cross
Adora Tadros Project Manager	Dynamic Systems Miles Richman Subsystem Lead	Rebecca May Kan Lillian Chang
	Electronics Trevor Yasutake Subsystem Lead	Mehdi Abbas Randall Cheng
Daniella Jimenez Assistant Project Manager	Piping and Cooling Richard Liu Subsystem Lead	Lauren Taggett Abdalahman Maatouk
	Simulations Johnny Pham Subsystem Lead	Rory Walsh Kayla San Pedro
Adrienne Lee Operations Manager	Static Structures Mina Elsagr Subsystem Lead	Ruby Gu Ryan Morris
	Documentation Vanessa Audrey Leanna Hao	Gwyneth Diaz Alexander Saguna
	Operations Olivia Shin Lab Manager	Youssef Gorge Special Projects
	Outreach Myron Phan Subsystem Lead	Allen Chang Manufacturing Christopher Chen



MANUFACTURING PLAN



TIMELINE



ADVISORS

Prof. Roger H. Rangel Faculty Advisor rhrangel@uci.edu	Kyle Ferreira Graduate Advisor krferrei@uci.edu	Arwa Tizani Graduate Advisor atizani@uci.edu
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