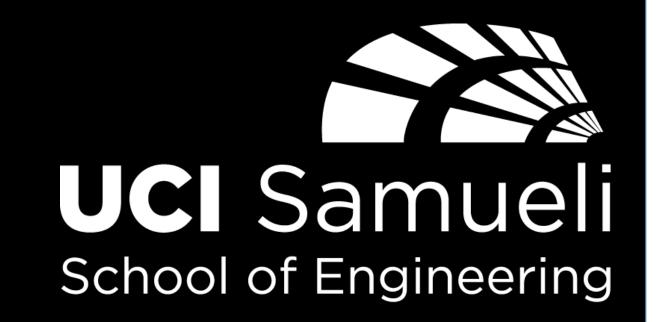


HYPERXITE

Future of Sustainable and Affordable Transportation





BACKGROUND

Established in 2015, HyperXite is a team of undergraduate students endeavoring to build a Hyperloop Pod.



GOAL

Johnny Pham (quyp @uci.edu)

HyperXite's goal is to research, design, build and validate a scalable selfpropelled pod to demonstrate the feasibility of Hyperloop design concepts at a high pace of innovation.



OBJECTIVES

- -Real-time pod behavior monitoring.
- -Pod state data logging for comparison against models.
- -Complete a safe pod run on test track.



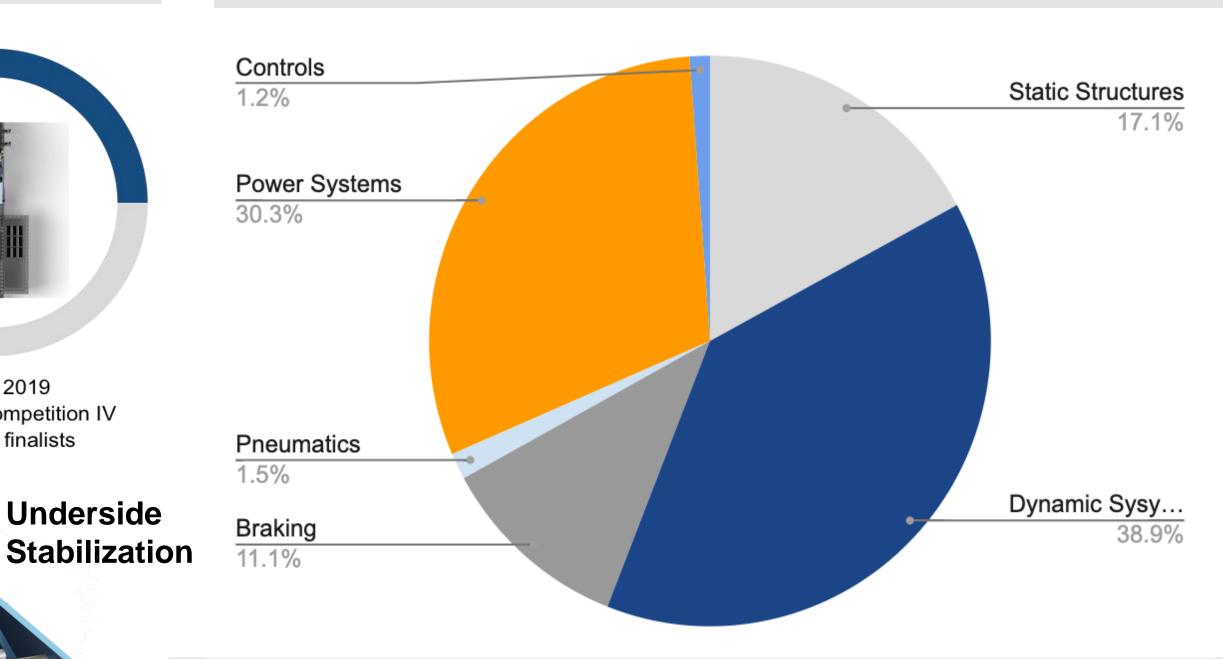


#5 for Overall Design

Lateral **Stabilization**

Top 29 finalists 1 of 6 teams to run in tube Top 22 finalists Top 22 finalists **Underside Propulsion Assembly Stabilization**

TOTAL POD COST



TIMELINE

Pod Generation 1 CAD	January 4, 2020
Simulations Completed	January 17, 2020
Pod Generation 2 CAD	January 24, 2020
Procurement and Manufacturing	February 14, 2020
Pod Assembly	February 28, 2020
Functional Testing	March 13, 2020
Testing Ramp-up	April 24, 2020
Design and Manufacturing Updates	May 15, 2020
Final Pod Report	May 22, 2020
Final Testing	June 5, 2020

TEAM ORGANIZATION

MANAGEMENT		Dynamic Structures	Myron Phan	Abdullah Jawhar		
			Dynamic offactures	Harry Pak		
		Chatia Churahumaa	Alex Saguna	Kaushal Patel	Maxine Apoderado	
			Static Structures	Subsystem Lead	Ryan Nguyen	
	Daniella Jimenez Project Manager		-	Luke Cross Subsystem Lead	Zachary Seto	Leanna Hao
			Braking		Tyler Johnson	
				Mahek Logantha		
		Pneumatics	Danny Nguyen			
	Johnny Pham Chief Engineer Simulations		Gwyneth Diaz			
		Simulations	Adrienne Lee			
	S		MUG. de Deserte	Dylan Kao	Nathan Bernardo	
		35	Power Systems	Wilfredo Paraiso Subsystem Lead	David Tiao	Nathan Bemardo
	Susie Nguyen	SUB				Vo Must Kusu
	Electronics Systems Engineer	Controls	Sam Longo Subsystem Lead	Tritai Nguyen Nicholas Chiu	Ye Myat Kyaw	
	Liigiiicoi			Subsystem Leau	Micholas Chiu	
			Outreach	Sakeena Fiza		
	Patrick Youssef		Gatiouon			
	Undergraduate Advisor Operations	Operations				
		Operations	lan Geiger			
			Manufacturing			

Florian Gross

ADVISORS

Professor Roger H. Rangel Faculty Advisor rhrangel@uci.edu

Side View

Adora Tadros Graduate Advisor aatadros@uci.edu



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Top View