

CLASS 295B - Spring 2020 -			*ALL ZOOM*	
STUDENT NAME	Chair	Committee	Presentation Date and Time	PROJECT
Beldanin Aslani Takieh	Du	Saeid Bashash, Susan Bowley,	05/12 1600 - 1700	Design and Development of MRI Compatible Fiber Optic Grip Force Sensor
Baloda, Yogesh	Bashash	Syed Zaidi, Neyram Hemati	05/12 1800 - 1900	Development and Comparison of Low and high Fidelity Vehicle Models for Lap Time Simulation
Bhalerao, Kaustubh	Bashash	Vimal Viswanathan, Neyram Hemati	05/12 1900 - 2000	Design and Construction of an Intelligent maze-solving micromouse
Pisharody, Gautam	Okamoto	Ernest Thurlow, Alan Tso	05/12 1900 - 2000	Simulation of heat removal rate and temperature uniformity on a water in a PECVD process chamber
Reidling, Victoria	Du	Vimal Viswanathan, Burford Furman	05/14 0900 - 1000	Robotic Washer and Dryer Clothes Transfer System
Khond, Siddharth	Yee	Morten Rikard Jensen, Amir Armani	05/14 1200 - 1300	Design and Analysis of Interventual Fusion Device
Ghahani, Faraz	Armani	Viswanathan, Raymond Yee	05/14 1400 - 1500	Failure Probability and Weibull Statistics for Ceramics with Irregular Geometries
Patel, Dharmesh	Yee	Vimal Viswanathan, Amir Armani	05/14 1900 - 2030	Parametric Study of Metal 3D Printing Process Using finite Element Simulation
Datye, Atharv	Okamoto	Sohail H. Zaidi, Perkils Papadapoolus	05/15 1000 - 1100	Parametric Study of Fin Design in Optimal Speed and Altitude Performance of an Experimental Rocket
Vandra, Tejas	Viswanathan	Amir Armani, Ken Youssefi	05/15 1000 - 1100	Designing and testing a composite chassis for the spartan hyperloop pod
Chandar, Arlene	Viswanathan	Saeid Bashash, Amir Armani	05/15 1300 - 1400	Warehouse Automation Device
Giang, Andy	Okamoto	Syed Zaidi, Igor Tyukhov	05/15 1300 - 1400	Solar System Design for Tiny Home
Dhaketa, Aditya	Han	Nicole Okamoto, Anand Ramasubramanian	05/15 1900 - 2000	Determination of Isotachophoresis-based extraction efficiency of DNA
Chilukuri Leela, Raghuvamshi	Yee	Morten Jensen; Armani	05/19 1100 - 1200	Drop Test Simulation of Cell Phone Using IMPETUS Afea Solver
Patel, Siddharth	Viswanathan	Raymond Yee, Amir Armani	05/22 1400-1500	Design and Testing of Suspension System for Hyperloop Pod
Shetti, Nagar	Viswanathan	Ozgur Keles, Peter Woytowitz	05/22 4pm - 5pm.	Enhancing the Mechanical Properties of 3-D printed using Induced Multi-Axial Vibration
Mirza, Sadaqatali	Viswanathan	Amir Armani, Raymond Yee	05/25 - 1100-1200	Design of a New Propulsion System for the Spartan Hyperloop Pod
Hwang, Hyeonjong	Bashash	Burford Furman, Mohamed Badawy	05/25 1600 - 1700	Design and development of a battery tester prototype for SOC and SOH
He, Guannan	Bashash	Mohamed Badawy, James Mokri	05/26 1200 - 1300	A Real-time PHEV Energy Management Policy based on Dynamic Programming and Neural Networks
He, Guannan	Bashash	Mohamed Badawy, James Mokri	5/26 1200 - 1300	A Real-time PHEV Energy Management Policy based on Dynamic Programming and Neural Networks
Zhao, Jiawei	Du	Neyram Hemati, Ken Reynolds	05/26 1900 - 2000	Development of a Dual-Arm Robotic Dish Washing Machine
Brisbois, Sebastian	Bashash	Vimal Viswanathan, Faraz Minooei	05/26 1900 - 2000	Design of an Automatic Tuner for Musical Instruments with High Friction Tuning Pins
Ly, Andy	Du	Neyram Hemati, Ken Reynolds	05/26 2000 - 2100	Integration of Machine Vision and Control System into Robotic Dishwasher
Fahey, Lauren	Barez	Ken Youssefi, Larry Hand (Nasa)	Not ready	Evaluation of Semiconductor Strain gages for use in Static and Dynamic Balances for Wind Tunnel testing
Sim, Jinseop	Barez	Eduardo Chan, Vlad Ionescu	Ready - Pending	Design and Development of Stoaway Swivel Seat for a Vehicle
Zelaya, Marycruz	Barez	Feruz Amirkulova, Vlad Ionescu	Not ready	Individual Occupant Noise Cancellation in Vehicle
Prasad,Summit Sant Bilas	Du	Bashash; Viswanathan	Not ready	Ocean Cleaning Robot
Mehta, Anuj	Barez	Vimal Viswanathan, Vlad Ionescu	Not ready	Design of a Two-way Retractable Sliding Ramp for Wheelchair Accessible Buses
CLASS 295A - Spring 2020 -				
STUDENT NAME	Chair	Committee	Presentation Date and Time	PROJECT
Victoria, Aaron	Bashash	Raymond Yee, Sean Swei	05/12 1500 -1530	Bi-axial Multirotor, Self-balancing, Autonomous Aerial Vehicle Control System Development
Wong, Terrence	Yee	Morten Jensen, Feruz Amirkulova	05/13 1230 - 1300	PPG Biometric Authentication Circuit for Personalized Firearm with Suicide Prevention
Wiitala, Devan	Du	Nima Karimian, Vimal Viswanathan	05/13 1830 - 1900	PPG Biometric Authentication Circuit for Personalized Firearm with Suicide Prevention
Shastri, Sumeet	Furman	Raymond Yee, Ron Swenson	05/14 1100 - 1130	Solar Racking for an Automated Transit Network: The Spartan Superway
Mateo, Eduardo	Bashash	Ping Hsu, Winnycy Du	05/14 1100 - 1130	Design, Development, and Optimization of a Dual Actuated Inverted Pendulum Using LQB Control
Lim, Chris	Viswanathan	Syed Zaidi, Matthew Leineweber	05/14 1300 - 1330	Characterization and Optimization of an Automated Assistive Knee Brace for Physical Therapy
Franco-Ramirez, Carlos	Furman	James Mokri, Ron Swenson	05/14 1330 - 1400	Design of Energy Storage Package for The Spartan Superway
Cruz, Julio	Armani	Vimal Viswanathan, Raymond Yee	05/14 1500 - 1530	Optimal Design of Functionally Graded Ports for Additive Manufacturers
Saiyed, Mohammed	Furman	James Mokri, Ron Swenson	05/14 1600 - 1630	Bogie Design for a suspended Solar Powered Automated Rapid Transit Ascendant Networks
Ehlers, Robert	Armani	Vimal Viswanathan, Raymond Yee	05/14 1600 - 1700	Improving Geometrical Accuracy of Extrusion-based Additive Manufacturing Processes
Lu, Liewei	Furman	James Mokri, Ron Swenson	05/14 1630 -1700	Spartan Superway: Guidway Structural Elements Design and Fabrication Method
Bose, Aditya	Viswanathan	Crystal Han, Ken Youssefi	05/14 1700 - 1730	Design and Optimization of fuselage of a Hyperloop Pod to counter plunger effect (piston effect)
Formoso, Olivia	Du	Raymond Yee, Kenneth Cheung	05/14 1700 - 1730	Development of an Autonomous Building Block Assembler for Lattice-Based Digital Structures

Rizvi, Komail	Okamoto	Kabbani, Thurlow	05/14 1830 - 1900	Design and Optimization of a Liquid Cooled Cold Plate for a High Heat Flux Chip
Ho, Thi	Bashash	Neyram Hemati, Burford Furman	05/14 1930 - 2000	Development of an interactive PID Motor Controller Panel for Control Education
Pham, Huy	Viswanathan	Syed Zaidi, Winncy Du	05/15 0900 - 0930	Development of a Stationary Exercise Bike Power Generator
Teng, Qianyi	Du	Viswanathan, Bashash	05/15 1430 - 1500	Autonomous Dust Cleaning Robot for Solar Panel
Wu, Huyauan	Okamoto	Ernest Thurlow, Syed Zaidi	05/15 1430 - 1500	Modelling Plastic Behavior of Extruded Aluminum Profiles
Cole, Liliosa	Barez	Ernest Thurlow, Crystal Han	05/15 1600 - 1630	Characterization of Electric Fan Noise Generation due to Blade Geometry
Rajale, Dipika	Okamoto	Ernest Thurlow, Syed Zaidi	05/15 1700 - 1730	Experimental Investigation of using phase change material and heat pipes to reduce the temperature spikes in electric vehicle batteries
Shah, Partha Paren	Bashash	Neryam Hemati, Michael Pharand	05/25 1830 - 1900	Surgical Robot for ACL Reconstruction Tunneling
Nguyen, Nguyen	Bashash	Burford Furman, Neyram Hemati	05/25 1900 - 1930	Design and Control of 3D Printable Self Balancing Cube
Bharma, Charan Singh	Bashash	Winncy Du, Neyram Hemati	05/25 1930 - 2000	Design and Analysis of Lane Keeping Assist System Using Stationary Vehicle Simulator
Pham, Tu	Han	John Lee, Winncy Du	05/26 schedule by student	Development of Multiplexed Particle Loading Device and Demonstration of its Application in Single Cell RNA Extraction Using Isotachopheresis
Alvarado, Christopher	Okamoto	Ernest Thurlow, Sargon Ishaya	Not ready	Prediction of Pressure Drops in Flat Oval Duct Fittings Using CFD
Grewal, Satwinder	Furman	Ernest Thurlow, Ken Youssefi	Not ready	Computational Fluid Dynamic study of a Podcar for an Automated Transit Network
CLASS 299 I/II - Spring 2020 -				
STUDENT NAME	Chair	Committee		THESIS
Huang, Guotai	Kazemifar	Okamoto, Kabbani, Thurlow	05/15 1800 - 1830	Parametric Study of Vapor Chamber Design in High Power Electronic Cooling Application