

2024

BUMECH

SENIOR CAPSTONE

PRESENTATION SCHEDULE

An overview of student projects can be found in the Capstone Booklet

CAPSTONE BOOKLET

OPENING ASSEMBLY PHO 210 8:00 - 8:15 AM

MORNING SESSION PHO 210

8:20 AM Team 1: 3D Printed Glider
8:40 AM Team 2: NASA Legacy Challenge: Self-Piloted Aircraft
9:00 AM Team 23: Personal VTOL Commuter Aircraft
9:20 AM Team 31: Gas Turbine Turbocharger

9:40 AM-10:00 AM Break

10:00 AM Team 26: Morphing Sail 1
10:20 AM Team 27: Morphing Sail 2
10:40 AM Team 45: Improved Solar Propulsion System
11:00 AM Team 52: NASA Blue Skies: Unmanned Aerial System
11:20 AM Team 15: PIUMA: Whiteboard Writing Utensil

MORNING SESSION PHO 211

8:20 AM Team 14: Viewmaster: Friction Visualization
8:40 AM Team 38: Allostatic Standing
9:00 AM Team 57: Heat Mapping Ureteroscopic Laser Lithotripsy
9:20 AM Team 59: Mechanical Catheter

9:40 AM-10:00 AM Break

10:00 AM Team 4: Autonomous Goose Chaser
10:20 AM Team 17: Automatic Motorcycle Kickstand
10:40 AM Team 6: AquaROVER
11:00 AM Team 53: NASA Blue Skies: RECOVER
11:20 AM Team 5: TerraROVER

LUNCH ENG 113 11:40 AM - 1:00 PM

12:50 PM **SENIORS**-please meet us at the entrance of 8 St. Mary's St. for a senior class photo!

AFTERNOON SESSION PHO 210

1:00 PM Team 9: Air Pollution Monitors for Blue Bikes
1:20 PM Team 11: Modeling Hydrogen Production from SOEC
1:40 PM Team 12: Supercritical CO2 Brayton Power Cycle
2:00 PM Team 13: Tracking Solar Collector
2:20 PM Team 54: Energy Transition Roadmap

2:40-3:00 PM Break

3:00 PM Team 39: Vibrum: Automated Mold Making
3:20 PM Team 42: Vibrum: Batching of Rubber Compounds
3:40 PM Team 10: 3D Printer

AFTERNOON SESSION PHO 211

1:00 PM Team 33: FetchFriend: Automatic Dog Ball Thrower
1:20 PM Team 34: Scootair
1:40 PM Team 46: Maskless Photolithography Process
2:00 PM Team 48: Smart Meow: Automatic RFID Cat Feeder
2:20 PM Team 55: WIPER: Whiteboard Erasing Robot

2:40-3:00 PM Break

3:00 PM Team 56: Formlabs: Nitro Buddy
3:20 PM Team 7: Senior Metal Bellows

AWARDS ASSEMBLY PHO 210 5:30-6:00 PM