

Aerospace Engineering Department

Location: HL 218

8:30am

Structural Design Analysis of the Burnelli CBY-3 Loadmaster and DC-3

Aaron Boyer, Amaya Massari, Jacob Moore,
Nicholas Paszczuk, Emily Raynowska, Gabrielle
Tims

Advisor: Prof. Blandino

8:50am

Computational Fluid Dynamic (CFD) Analysis of the Burnelli CBY-3 Loadmaster

Nicholas Orlovsky, Maria Wojciechowski

Advisor: Prof. Blandino

9:10am

Design of Micro Rover for Lunar Polar Exploration

David Acuna, Zachary Angell, William Fisher,
Corbin Grubb, Watts Herideen-Woodruff, Lily
Kinne, Marcela Mayor, Travis McGregor, Caleb
Powell

Advisor: Prof. Karanjgaokar

9:30am

Design and Testing of an Amphibious AUV

Michael Beskid, Ryan Brunelle, Calista Carrignan,
Robert Devlin, Toshak Patel, Kofi Sarfo

Advisor: Prof. Demetriou

Co-Advisor: Prof. Loris Fichera (RBE)

10:00am

Micro-Aircraft Design for 2023 AIAA DBF Competition

Julian Robles, Noah Mester, Sean McMahon, David
Reynolds, Anwar Hughes-Crawford, Alex Psenicka

Advisor: Prof. Yuan

10:20am

Design of an RC Aircraft for the 2023 AIAA Design, Build, Fly (DBF) Competition

Noah Cook, Nicholas Fiorenza, Dylan Gerisch,
Tyler Guertin, Drake Hamblin, Newton Le,

Nickolas Pellegrini, Joseph Salvato

Advisor: Prof. Olinger

10:40am

Design and Analysis of a High-Powered Model Rocket

Tiana Am, Emily Abbe, Bryce Bragdon, Paul
Coccoma, Garrett Devlin, Logan Frandsen, Sarah
Hildreth, Megan Malito, Jacob Roller, Kevin
Schultz, Mason Thyng, Hunter Wagner

Advisor: Prof. Taillefer

11:00am

Mitigating Boil-Off in Cryogenic Spacecraft Propellant Tanks

Jacob Borowsky, Jack Charbonneau, John
Dougherty, Alexander Lagle, Nicholas Masse, Jacob
Mitchell, Deep Patel, Rory Veguilla

Advisor: Prof. Jayachandran

11:20am

CubeSat Development for Identification of Space Debris

Dinmukhammed Abdimash, Benjamin Brady, Dev
Gujarathi, Matthew Liliedahl, Connor Moriarty,
Kaitlyn Smith, Ryan Weeks, Benjamin Workinger

Advisor: Prof. Demetriou, Prof. Gatsonis, Prof.

Taillefer