

NASA FLIGHT OPPORTUNITIES



Welcome to the Community of Practice Webinar Series!

First, a bit of housekeeping...

- Please mute your microphone and turn off your camera
- · Today's session will be recorded
- Recordings for this and all future session will be posted on the Flight Opportunities website
- Please engage!
 - Use the chat throughout the session to ask questions





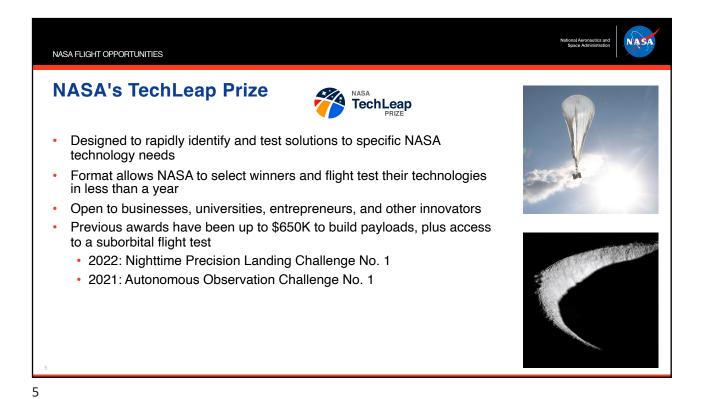
Watch our website and newsletter for next month's topic

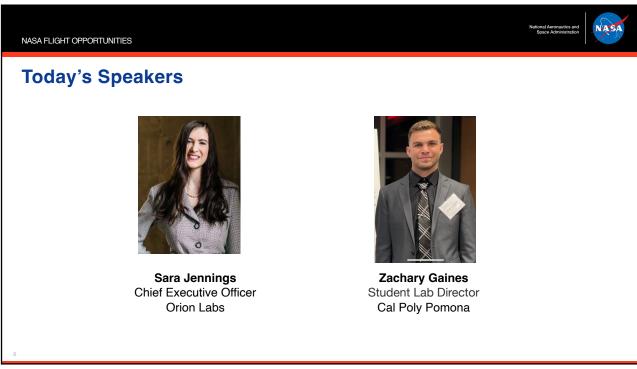
nasa.gov/directorates/spacetech/flighto pportunities/newsletter

Future webinars

- Webinars are held 1st Wednesday of each month at 10 a.m. PT
- · Topics will be announced in the Flight Opportunities newsletter and website
- · Session recordings will be posted on the Flight Opportunities website
- Let us know session topics you would like to see covered

September 7, 2022 https://www.nasa.gov/directorates/spacetech/flightopportunities/community-of-practice



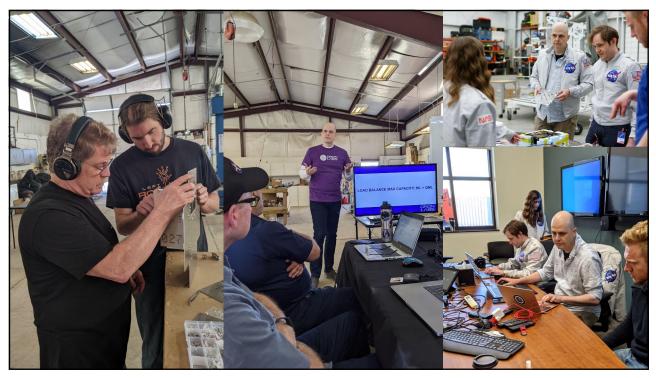






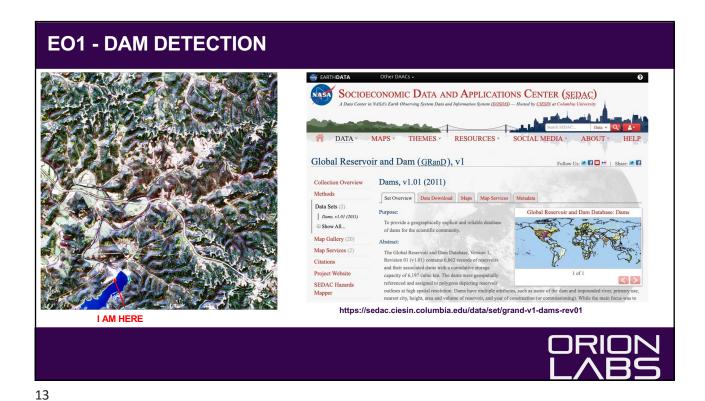


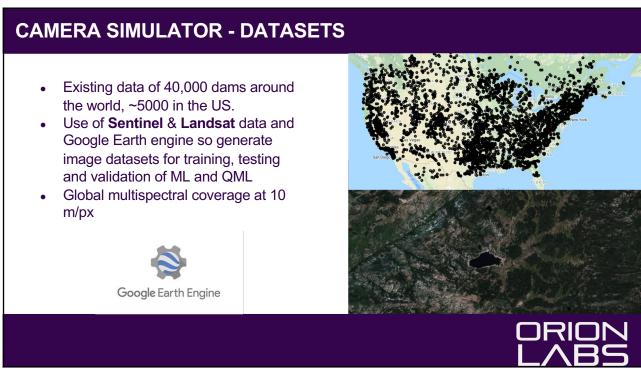


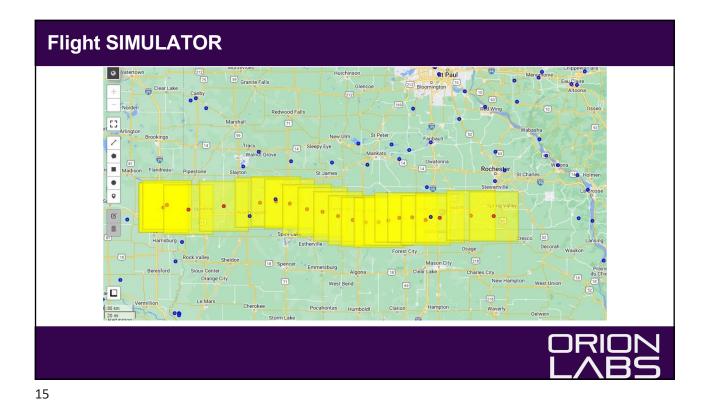




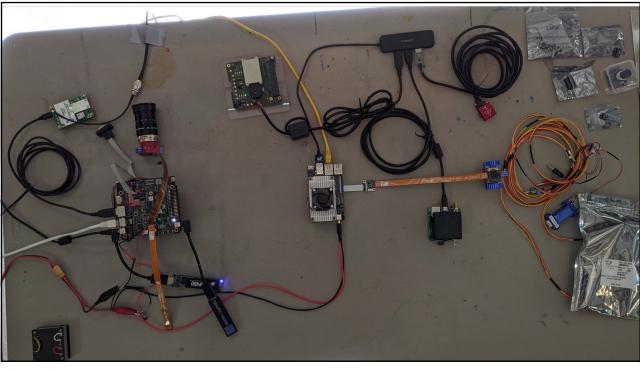




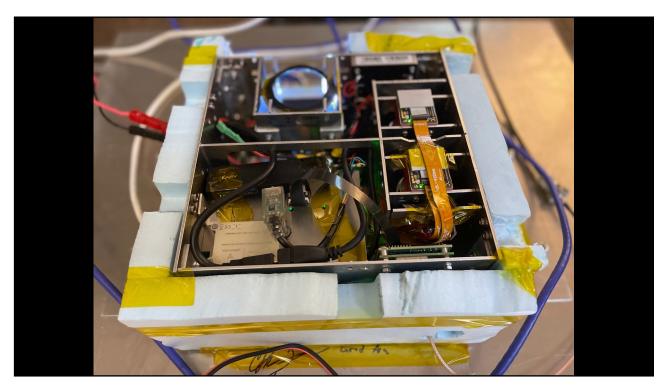


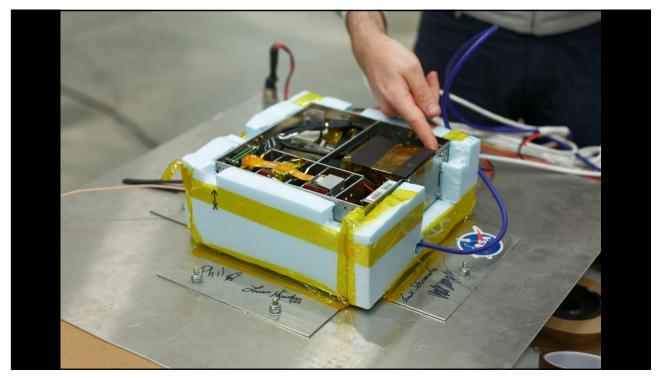


Quantum ML Pipeline Quantum Simulator Onboard **Dam Detected Quantum Machine Learning** + IBM Quantum Computer With ML **Confirms Detection** (7Qbits) On the Ground **Additional Success:** Can we TRAIN QML on our edge computing device during flight by utilizing a real IBM quantum computer on the Downlinks Confirmed A reduced ground? Data Need - Automatic image transfer to Server On the Ground

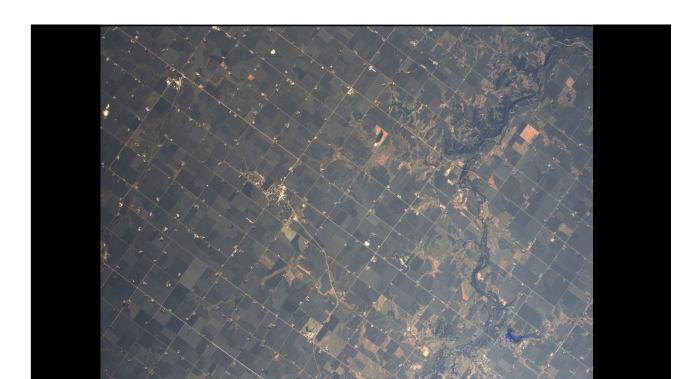


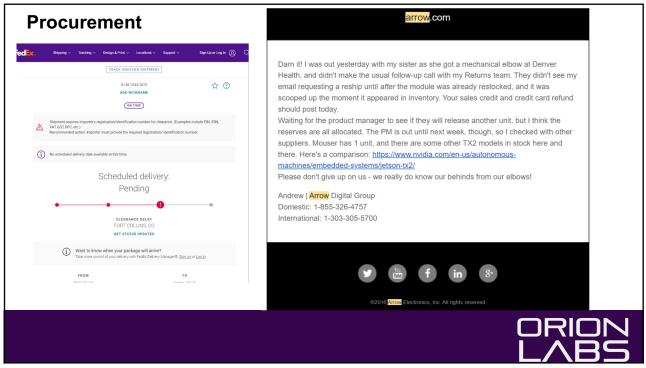


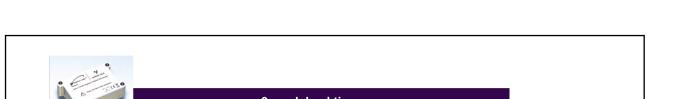




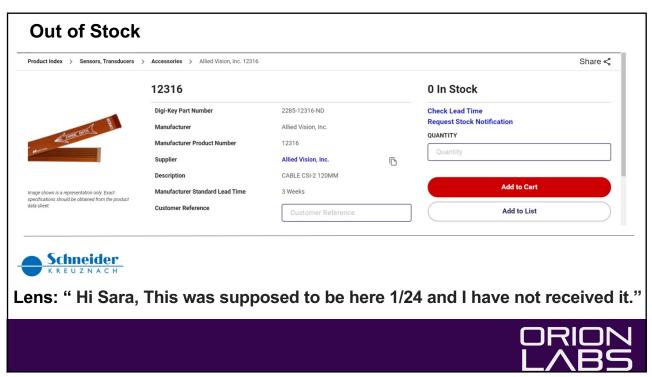




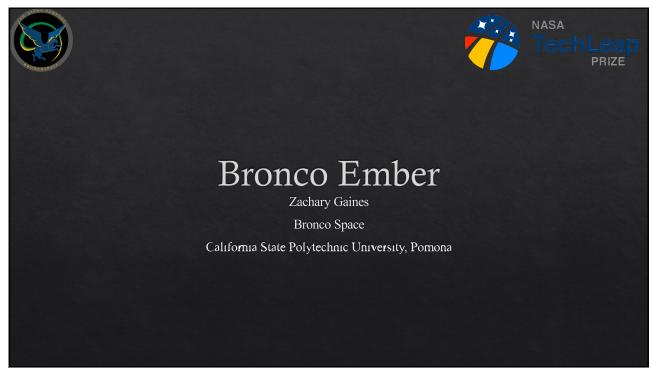


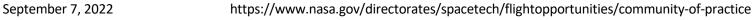




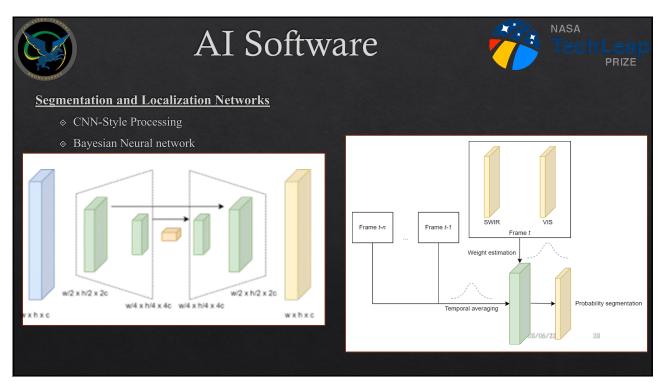


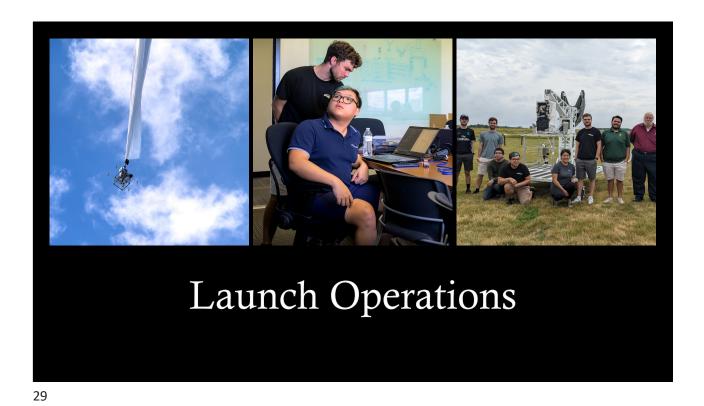














SWIR Imagery

