

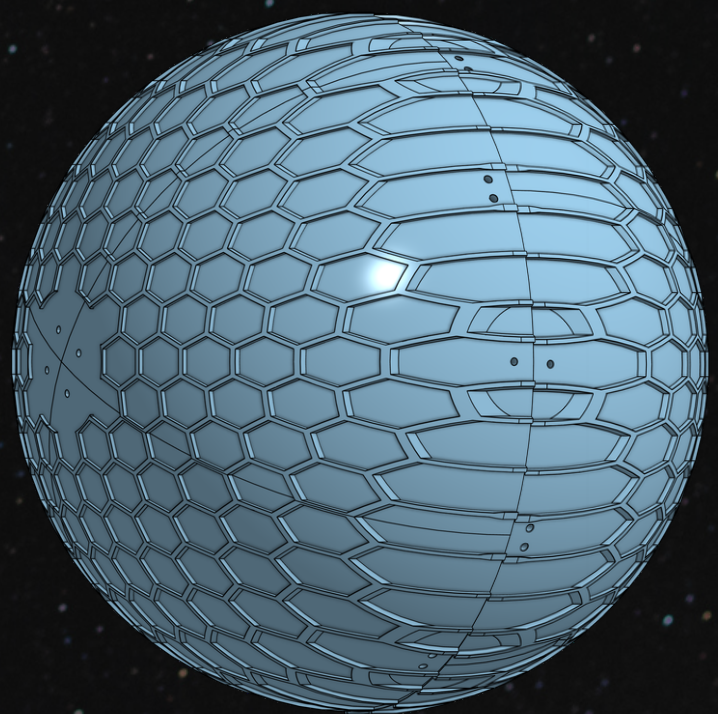
HAMSTER:

HYBRID-ACTUATED MOBILE SPHERICAL TERRAIN EXPLORATION ROVER

As current technologies develop and push boundaries of space exploration, the need for robotic systems capable of maneuvering across various obstacles and terrains is expected to increase.

HAMSTER is a prototype, low-cost, Hybrid-Actuated Mobile Spherical Terrain Exploration Rover intended for use on a lunar or Martian surface exploration mission. This research explores alternative methods of locomotion, specifically rolling locomotion mechanisms, through a spherical rover.

Date & Time	May 27 th , 4-6pm
Location	192-321



Winnie Gao

Master's Thesis Defense