

Motivating Applications



Planetary Landing: Landing on planets or moons where little to no a priori information is known about the environment and contingency landing sites are necessary.

Sale 1



Drone Package Delivery: Landing in uncertain scenarios where higher levelsemantic knowledge on the current environmental state is necessary for a safe landing.



HALO: Hazard-Aware Landing Optimization

(for Autonomous Systems)

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Objective:

safely in unknown environments.

Contributions:

simulation environment:

1 Adaptive Deferred-Decision Trajectory Optimization (ADDTO) **2** Hazard-Aware Landing Site Selection (HALSS)



Video (YouTube)

