



Niagara Frontier Section

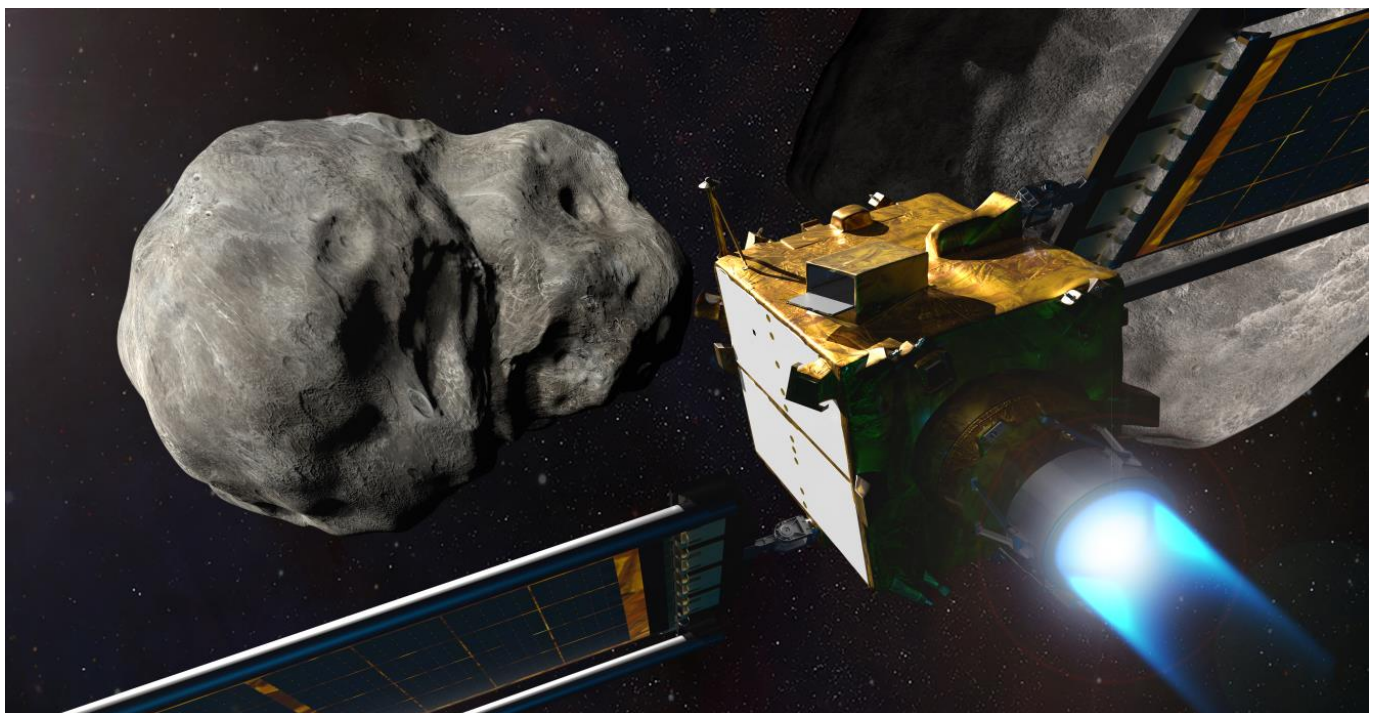
West and Central New York, Eastern Ontario, and Quebec

Webinar, Thursday April 14th, 7:00 PM EST

Ray Harvey

Double Asteroid Redirection Test (DART)

NASA's First Planetary Defense Test Mission



NASA's first flight mission for planetary defense, the Double Asteroid Redirection Test (DART) seeks to test and validate a method to protect Earth in case of an asteroid impact threat. The DART mission aims to shift an asteroid's orbit through kinetic impact – specifically, by smashing a spacecraft into the smaller member of the binary asteroid system Didymos. Please join us this month when Ray Harvey, DART Mission Operations Manager at the Johns Hopkins Applied Physics Laboratory, briefs us on this first of its kind mission, including ground preparation and testing of the spacecraft, mission operations en route, and the approach and terminal phases prior to impact, currently scheduled for September 26th at 7:14 PM EDT.

Ray has a B.S. in Aerospace Engineering from the University of Maryland and over thirty-five years experience in systems engineering and mission operations. He has served as Mission Operations Manager (MOM) for various stages of a number of APL programs, including the Van Allen Probes (previously known as Radiation Belt Storm Probes), Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED) mission, and the Midcourse Space Experiment (MSX). As DART MOM his responsibilities include interfacing with the Project Manager, Systems Engineers, all Subsystem Engineers, Ground Software, IT, and many others.

Pre-registration is required. Use this link <https://tinyurl.com/2p8e5fkd> to register and receive your invitation to attend on the 14th.