

# Hypervelocity Asteroid Deflection

NASA, under its Innovative Advanced Concepts program, is providing a limited amount of funding to solve the challenges of intercepting small to medium-sized asteroids at very high speeds, and when there is minimal warning time available. This research is being led by Professors Bong Wie (Iowa State University) and Brent Barbee (NASA Goddard Space Flight Center), with their “Hypervelocity Asteroid Intercept Vehicle” concept, a two-part spacecraft, designed to operate at very high intercept speeds, utilizing a thermonuclear explosive device to break apart the threatening asteroid.



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*LPAC's Benjamin Deniston interviews Professors Brent Barbee and Bong Wie at the NIAC symposium in November 2012.*