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Asteroid Initiative: Ideas Synthesis Workshop (Paperback)

By National Aeronautics and Space Administration

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.NASA's Asteroid Initiative consists of two separate but related activities: the Asteroid Redirect Mission (ARM), and the Asteroid Grand Challenge (AGC). NASA is developing concepts for the ARM, which would use a robotic spacecraft to capture a small near-Earth asteroid (7 to 10 meters), or remove a boulder (1 to 10 meters) from the surface of a larger asteroid, and redirect it into a stable orbit around the moon. Astronauts launched aboard the Orion spacecraft would rendezvous with the captured asteroid material in lunar orbit, and collect samples for return to Earth. The AGC is seeking the best ideas to find all asteroid threats to human populations, and to accelerate the work that NASA is already doing for planetary defense. The Asteroid Initiative will leverage and integrate NASA's activities in human exploration, space technology, and space science to advance the technologies and capabilities needed for future human and robotic exploration, to enable the first human mission to interact with asteroid material, and to accelerate efforts to detect, track, characterize, and mitigate the threat of potentially hazardous...



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