Methods and apparatus for mitigating space debris

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New methods and apparatus comprising robust architectures capable of performing active or passive space debris collection/mitigation protocols are described. Systems for a solar-powered propulsion system used in combination with self-contained, remotely controlled space debris collection modules (SDCM’s) with brake-sail apparatus to affect apsis of debris and particulates are discussed. Protocols for protection of installations, e.g., ISS, space hotel structures and spacecraft are advanced. New methods for employing detection/avoidance protocols and disclosure of newly-designed space debris collection modules (‘SCDC’s) for mitigating space debris in earth’s atmosphere are disclosed.

Biography
Joseph A Resnick, PhD possesses lateral skill sets in biology, anatomy and physiology; medicine; electrical/mechanical engineering; robotics design; earth and space health systems-component design; defense security logistics/programs; low observable technologies <Stealth>; global/space communication systems architectures engineering for Military/Homeland strategic defense; Education.

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