The HULC is an anthropomorphic exoskeleton which mimics the human form and provides extra support and enables a person to carry more weight than he normally could. Exoskeleton technologies are considered part of robotics field, if you want to think about them as wearable robots, that's pretty accurate, they sense what the user wants to do, where the user wants to go, and then, make the motion. We’d like to call these: maintenance system. The exoskeleton is primarily composed of titanium components which are both lightweight and provide the strength needed to carry the load. A microprocessor takes on readings from the sensors that are throughout the structure and calculates where the user wants to move and then commands the actual hydraulic system to actuate the joints to provide the motion. You can walk, you can run, you can bend, you can crawl, you can leap… it does not impede your range of motion whatsoever. This technology could be a real benefit to the militarily, just imagine your soldier operating at 6000 feet in the Afghan mountains and been asked to take 120 pounds up in that level thin air… how exhausted you would be once you got there! An exoskeleton provides you the ability to carry that weight the same distance but to have energy left to execute the mission once you are there.