



Armed Robotic Systems Emergence: Weapons Systems Life Cycles Analysis and New Strategic Realities (Paperback)

By Dr Robert J Bunker

Alpha Editions, 2018. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. The fielding of armed robotic systems--droids and drones that are teleoperated, semi-autonomous, and even autonomous--has been slowly but surely transitioning from pure science fiction into military reality on the battlefields of the early 21st century. These systems currently have no artificial intelligence (AI) whatsoever and, in most cases, are simply operated by soldiers (and on occasion terrorists and insurgents) utilizing hardline cables and laptop-like controllers, although wireless and satellite systems exist for the more sophisticated national armed drone programs. Near-term future prototypes are likely to have, at best, independent response capabilities similar to a trained animal, due to the incorporation of expert system programming. Projections out even further, however, have raised concerns that these emergent weapons systems, possessing semi-autonomous and autonomous capabilities, could ultimately have the potential to evolve beyond the machine stimulus and response level, eventually incorporating varying degrees of weak AI, and one day possibly even achieving a basic form of self-awareness. [.] In summation, the strategic implications of the robotics revolution upon us cannot be overstated. The robots are not only coming--they are here--and for future U.S. national security requirements,...



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