

Information Assurance (IA) Issues Common to Unmanned Vehicles

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Abstract:

While most people involved with Unmanned Autonomous Vehicles will agree on the exciting roles that UAVs can and will play in “Enabling Battlefield Dominance”, most strategic planning papers today continue to view UAVs in terms of their robotic functions or their “remote” functions (weapons delivery, surveillance etc.). This paper addresses the next dimension of UAV effectiveness as part of a NETWORKED BATTLEFIELD. The author has been leading technical work in this area for the past 10 years.

Bio:

Dr. Kamal is Chief Scientist/Engineering at SAIC. All his degrees are in Electrical Engineering and he has spent much of his career designing and delivering advanced wireless and satellite communications devices to the U.S. government, and to the private market sector. He is involved in delivering Advanced Mobile Ad Hoc Networks (MANETs) and satellite network architectures that involve both geostationary and low-earth-orbit satellite constellations. He is an invited speaker at conferences, to discuss the increasing role of information in the netcentric battlefield.